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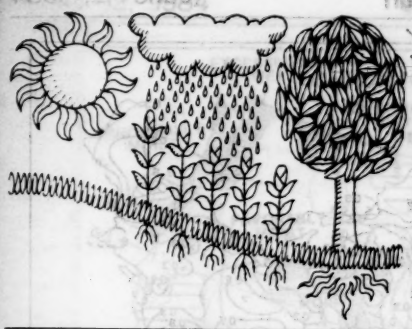

WEEKLY WEATHER AND CROP BULLETIN

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration, National Weather Service

U.S. DEPARTMENT OF AGRICULTURE
Statistical Reporting Service and World Agricultural Outlook Board

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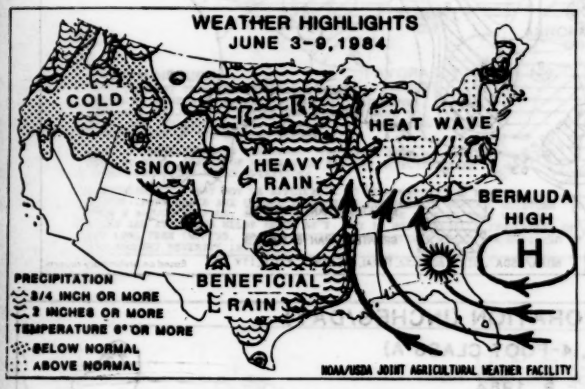
National Weather Summary

June 3 to 9



HIGHLIGHTS: Cold air moved into the Pacific Northwest and spread over the Plateau, the Rockies, and the northern Plains. Showers were widespread over the Rockies and Plateau and snow fell in the high elevations. A stationary high-pressure center off the Southeast coast caused warm, moist air from the Gulf of Mexico to flow northward through the Plains. As the moist air encountered the cooler air severe weather was triggered. Showers and thunderstorms covered most of the Plains, and tornadoes, hail, and heavy downpours hit many areas. Beneficial showers fell in western Texas. Very hot weather covered the East with average temperatures running 9-10 degrees warmer than normal in the Great Lakes region and parts of the Northeast.

SUNDAY...Thunderstorms developed ahead of a cold front moving through the central Rockies. Later it triggered severe weather over the central High Plains. Showers and thunderstorms reached through the central Plains and northward into the Red River Valley of North Dakota. Beneficial showers hit the very dry cotton areas of western Texas. Unusually warm weather reached northward through the Mississippi River Valley.

MONDAY...Warm, moist air from the Gulf of Mexico flowed northward and triggered showers and thunderstorms from central Texas to the northern Plains. Severe weather was concentrated in central Texas, the northern Plains, and the upper Mississippi Valley. A new Pacific storm spread showers over the northwestern quarter of the Nation.

TUESDAY...Showers and thunderstorms covered all of the Nation except parts of the Southwest, the Southeast, and New England. The most severe thunderstorms were in eastern Texas and Oklahoma, from central Nebraska to central Missouri, and in parts of the central Rockies.

WEDNESDAY...A cold front, moving slowly through the Plains, triggered showers, thunderstorms, and severe weather from eastern Texas and Louisiana to the Great Lakes. Showers and thunderstorms broke out late in the day eastward through New England and into the mid-Atlantic States. The South and East were unusually warm while the northwestern third of the Nation was cool.

THURSDAY...A few showers lingered over New England but the heavy activity was concentrated from eastern Kansas through the western Great Lakes. Hot weather prevailed over the East and South while unusually cool weather spread over the Rockies, Plateau, and northern Plains. A blanket of snow covered the high elevations of Colorado.

FRIDAY...Showers were widespread from the Pacific Northwest to the central and northern Plains. Heavy thunderstorms covered eastern Kansas and Nebraska and spread into central Illinois. A few showers fell in southeastern Texas but most of the East was hot and dry.

SATURDAY...Heavy thunderstorms, with severe weather, continued in parts of the central and northern Plains and spread over the northern Lakes area. Lighter showers fell in the Northwest, but the Southwest and East remained hot and dry.

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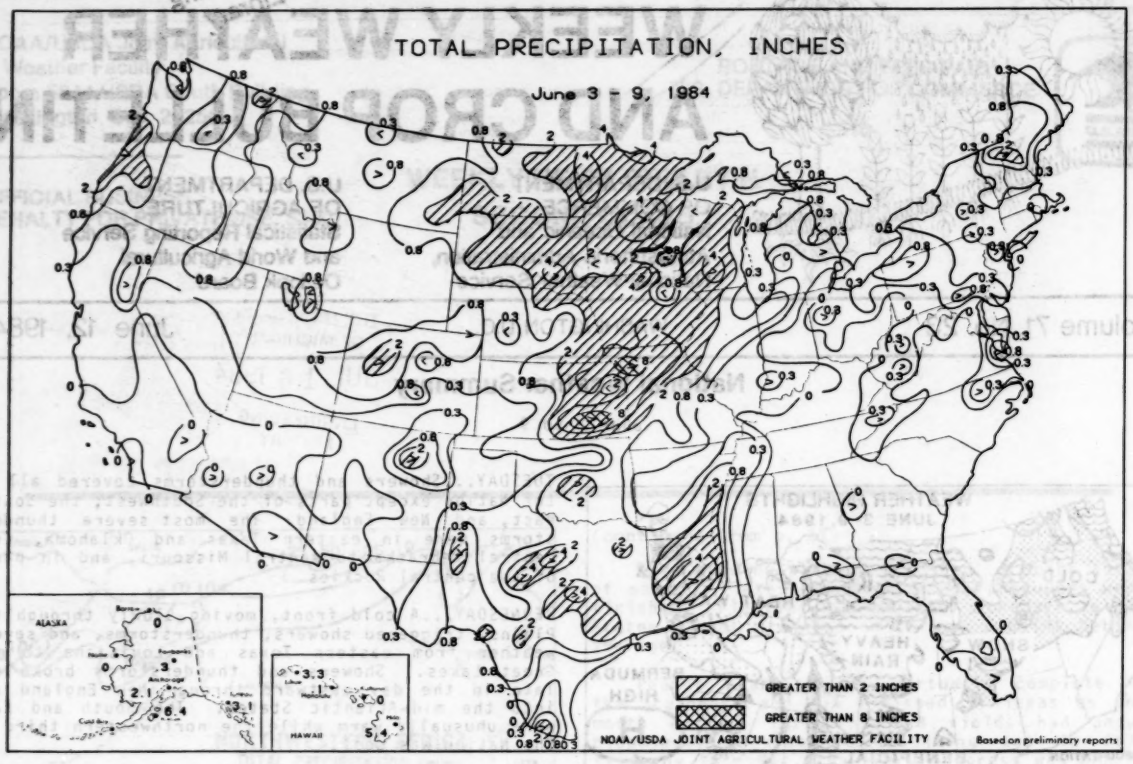
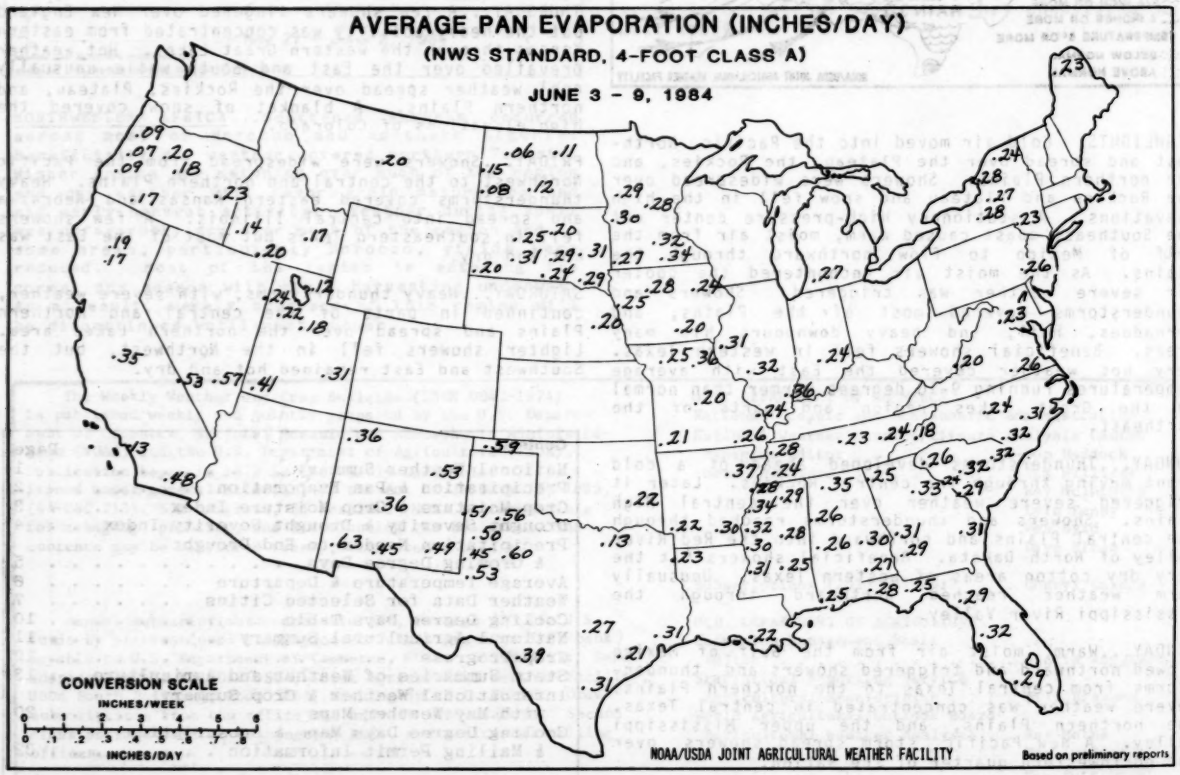
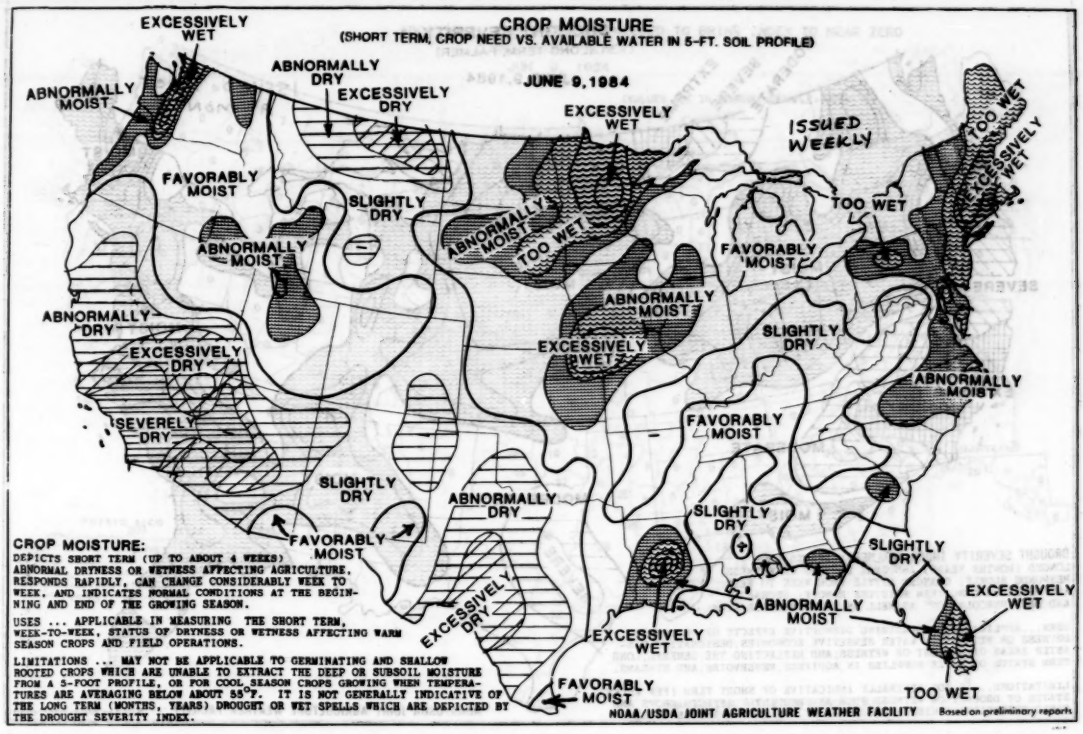
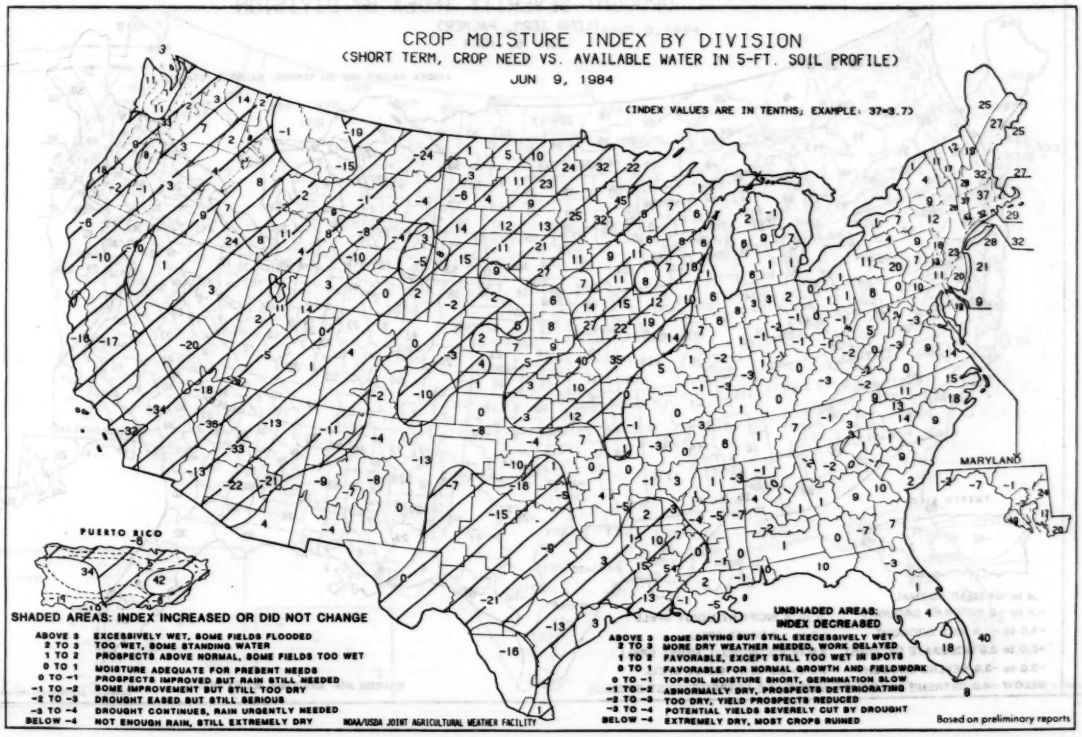
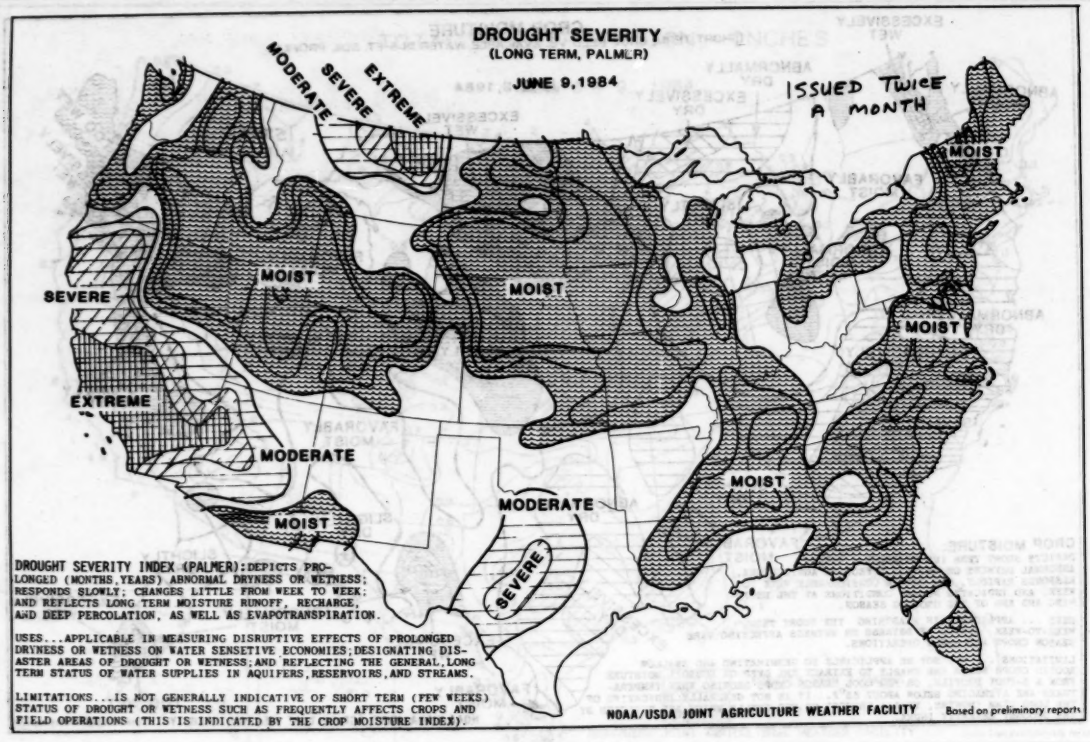
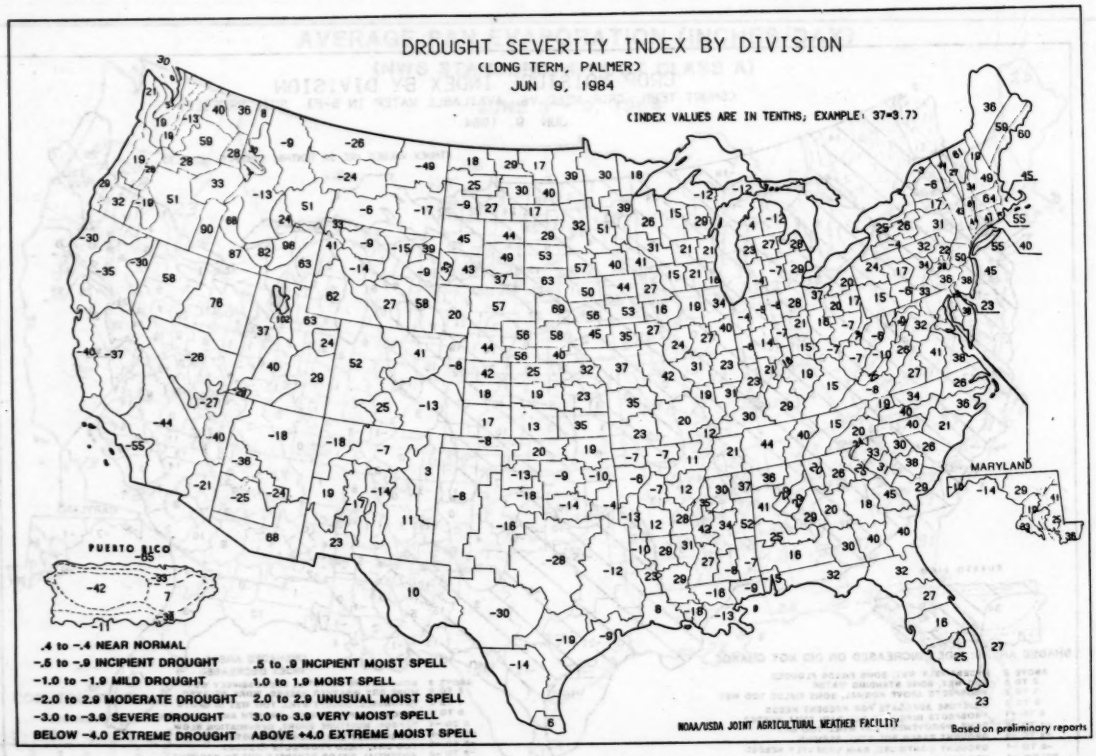

TOTAL PRECIPITATION, INCHES
June 3 - 9, 1984
ALASKA
HAWAII
GREATER THAN 2 INCHES
GREATER THAN 8 INCHES
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports

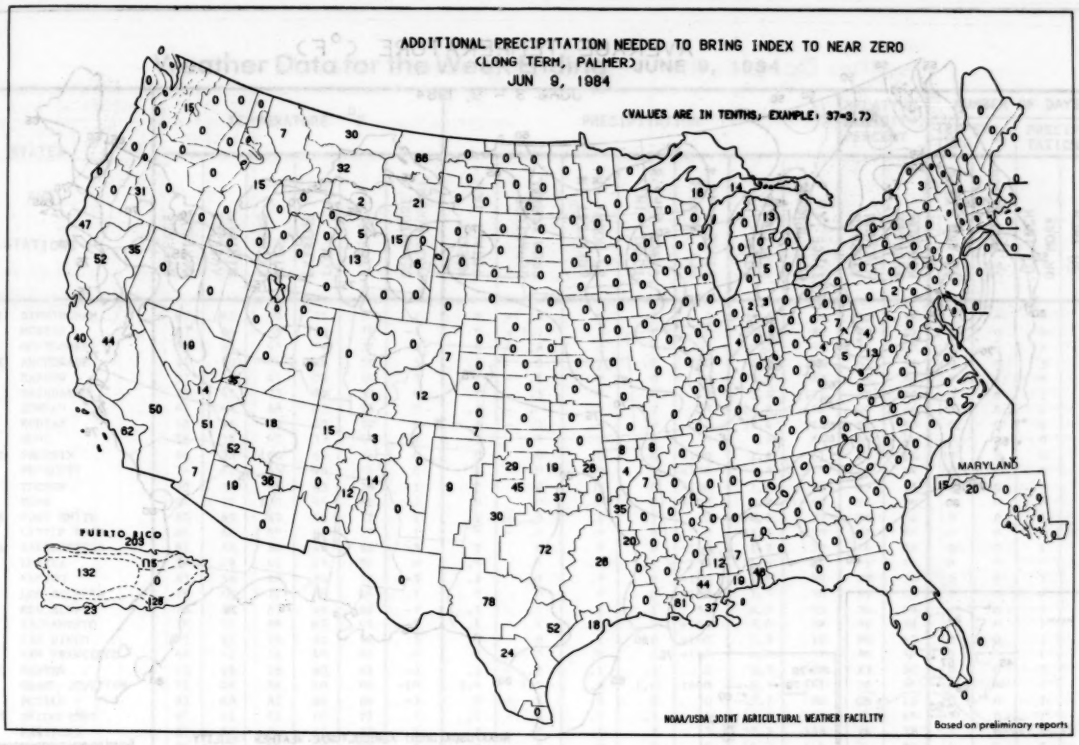

AVERAGE PAN EVAPORATION (INCHES/DAY)
(NWS STANDARD, 4-FOOT CLASS A)
JUNE 3 - 9, 1984
CONVERSION SCALE
INCHES/WEEK
INCHES/DAY
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports

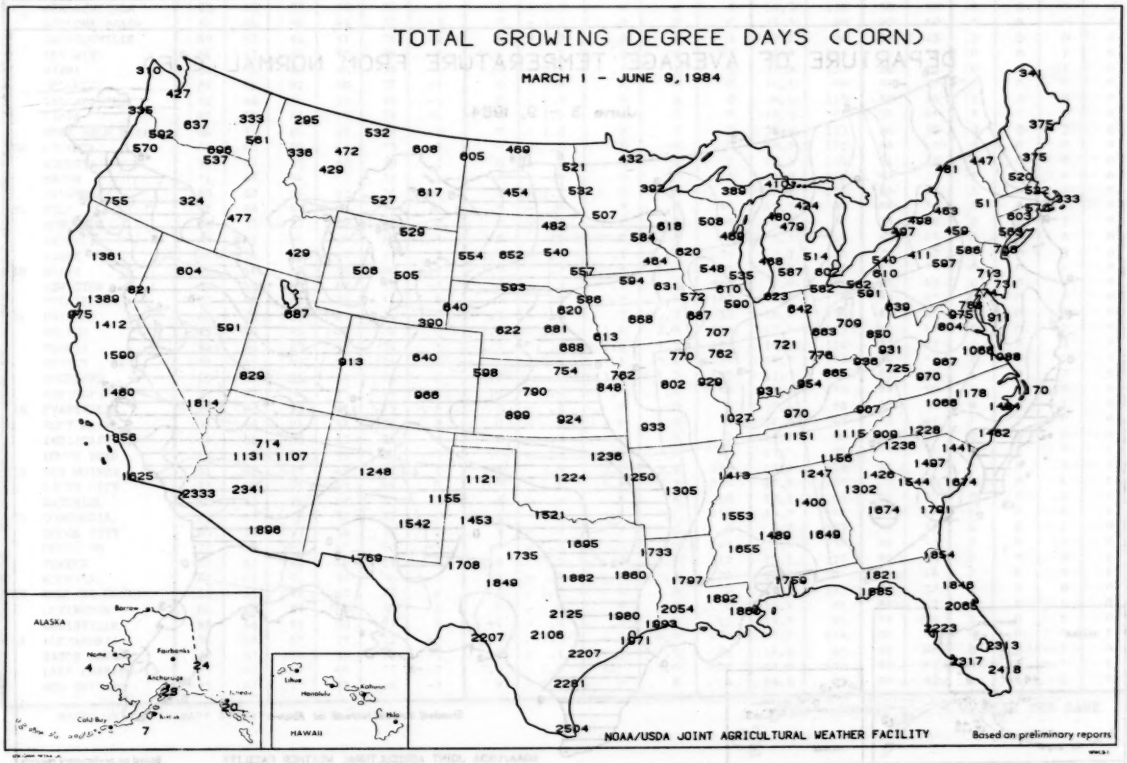

CROP MOISTURE
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)
JUNE 9,1984
ISSUED WEEKLY
EXCESSIVELY WET
ABNORMALLY MOIST
ABNORMALLY DRY
EXCESSIVELY DRY
FAVORABLY MOIST
SLIGHTLY DRY
TOO WET
SEVERELY DRY
CROP MOISTURE:
DEPICTS SHORT TERM (UP TO ABOUT 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE, RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK, AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END OF THE GROWING SEASON.
USES ... APPLICABLE IN MEASURING THE SHORT TERM, WEEK-TO-WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS.
LIMITATIONS ... MAY NOT BE APPLICABLE TO GERMINATING AND SHALLOW ROOTED CROPS WHICH ARE UNABLE TO EXTRACT THE DEEP OR SUBSOIL MOISTURE FROM A 5-FOOT PROFILE, OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING BELOW ABOUT 55°F. IT IS NOT GENERALLY INDICATIVE OF THE LONG TERM (MONTHS, YEARS) DROUGHT OR WET SPELLS WHICH ARE DEPICTED BY THE DROUGHT SEVERITY INDEX.
NOAA/USDA JOINT AGRICULTURE WEATHER FACILITY
Based on preliminary reports

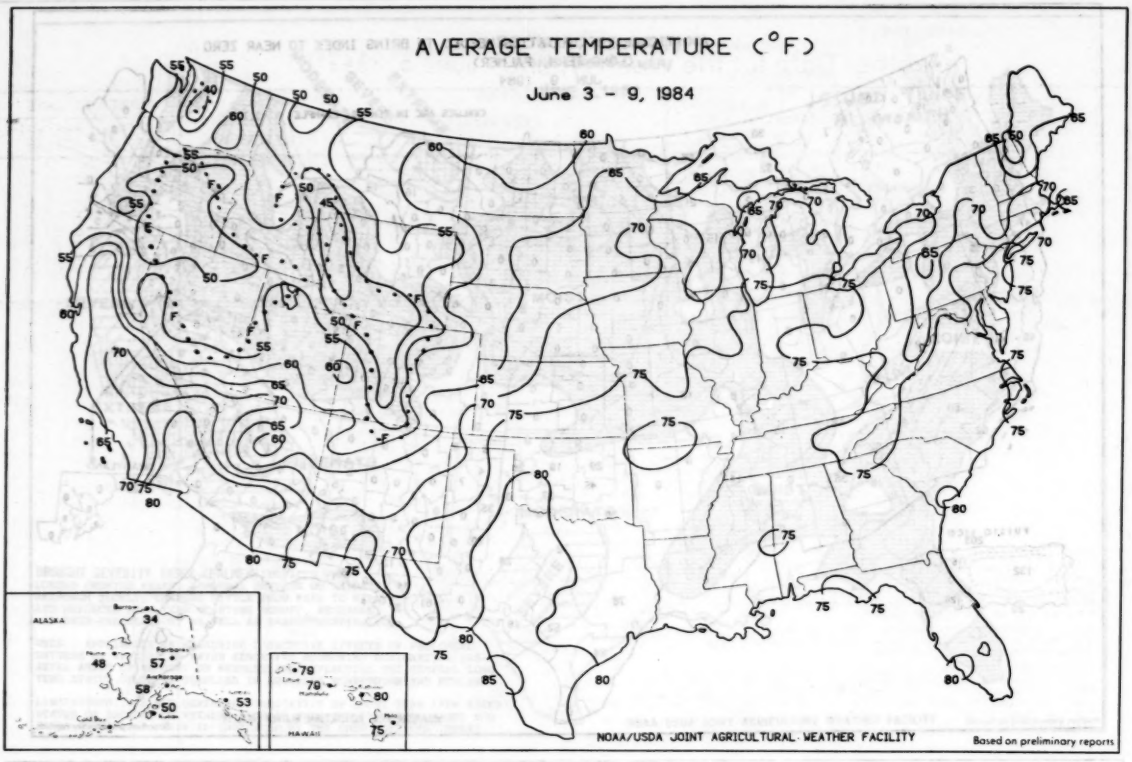

CROP MOISTURE INDEX BY DIVISION
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)
JUN 9, 1984
(INDEX VALUES ARE IN TENTHS; EXAMPLE: 37=3.7)
PUERTO RICO
MARYLAND
SHADED AREAS: INDEX INCREASED OR DID NOT CHANGE
ABOVE 3 EXCESSIVELY WET, SOME FIELDS FLOODED
2 TO 3 TOO WET, SOME STANDING WATER
1 TO 2 PROSPECTS ABOVE NORMAL, SOME FIELDS TOO WET
0 TO 1 MOISTURE ADEQUATE FOR PRESENT NEEDS
0 TO -1 PROSPECTS IMPROVED BUT RAIN STILL NEEDED
-1 TO -2 SOME IMPROVEMENT BUT STILL TOO DRY
-2 TO -3 DROUGHT EASED BUT STILL SERIOUS
-3 TO -4 DROUGHT CONTINUES, RAIN URGENTLY NEEDED
BELOW -4 NOT ENOUGH RAIN, STILL EXTREMELY DRY
UNSHADED AREAS: INDEX DECREASED
ABOVE 3 SOME DRYING BUT STILL EXCESSIVELY WET
2 TO 3 MORE DRY WEATHER NEEDED, WORK DELAYED
1 TO 2 FAVORABLE, EXCEPT STILL TOO WET IN SPOTS
0 TO 1 FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
0 TO -1 TOPSOIL MOISTURE SHORT, GERMINATION SLOW
-1 TO -2 ABNORMALLY DRY, PROSPECTS DETERIORATING
-2 TO -3 TOO DRY, YIELD PROSPECTS REDUCED
-3 TO -4 POTENTIAL YIELDS SEVERELY CUT BY DROUGHT
BELOW -4 EXTREMELY DRY, MOST CROPS RUINED
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports

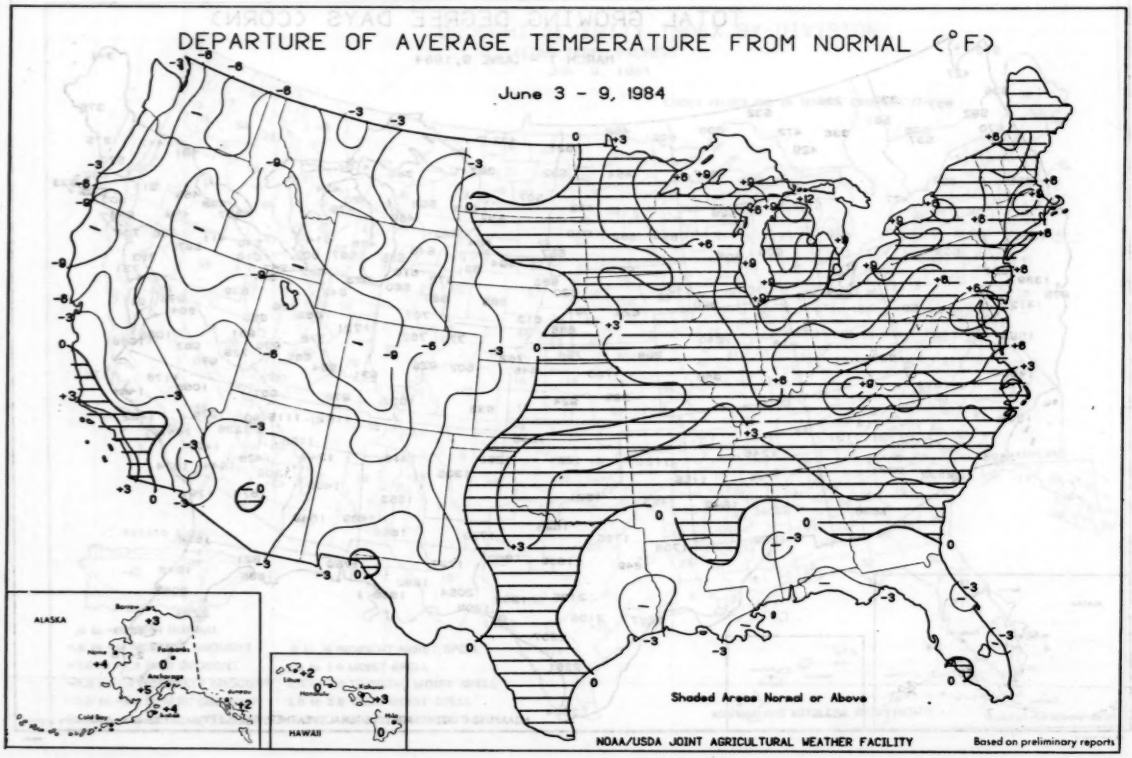

DROUGHT SEVERITY
(LONG TERM, PALMER)
JUNE 9,1984
ISSUED TWICE A MONTH
MODERATE
SEVERE
EXTREME
MOIST
SEVERE
EXTREME
MODERATE
MOIST
MOIST
MOIST
MOIST
MODERATE
MOIST
SEVERE
DROUGHT SEVERITY INDEX (PALMER): DEPICTS PROLONGED (MONTHS,YEARS) ABNORMAL DRYNESS OR WETNESS; RESPONDS SLOWLY; CHANGES LITTLE FROM WEEK TO WEEK; AND REFLECTS LONG TERM MOISTURE RUNOFF, RECHARGE, AND DEEP PERCOLATION, AS WELL AS EVAPOTRANSPIRATION.
USES...APPLICABLE IN MEASURING DISRUPTIVE EFFECTS OF PROLONGED DRYNESS OR WETNESS ON WATER SENSETIVE ECONOMIES; DESIGNATING DISASTER AREAS OF DROUGHT OR WETNESS; AND REFLECTING THE GENERAL, LONG TERM STATUS OF WATER SUPPLIES IN AQUIFERS, RESERVOIRS, AND STREAMS.
LIMITATIONS...IS NOT GENERALLY INDICATIVE OF SHORT TERM (FEW WEEKS) STATUS OF DROUGHT OR WETNESS SUCH AS FREQUENTLY AFFECTS CROPS AND FIELD OPERATIONS (THIS IS INDICATED BY THE CROP MOISTURE INDEX).
NOAA/USDA JOINT AGRICULTURE WEATHER FACILITY
Based on preliminary reports


DROUGHT SEVERITY INDEX BY DIVISION
(LONG TERM, PALMER)
JUN 9, 1984
(INDEX VALUES ARE IN TENTHS; EXAMPLE: 37=3.7)
MARYLAND
PUERTO RICO
.4 to -.4 NEAR NORMAL
-.5 to -.9 INCIPIENT DROUGHT
-1.0 to -1.9 MILD DROUGHT
-2.0 to 2.9 MODERATE DROUGHT
-3.0 to -3.9 SEVERE DROUGHT
BELOW -4.0 EXTREME DROUGHT
.5 to .9 INCIPIENT MOIST SPELL
1.0 to 1.9 MOIST SPELL
2.0 to 2.9 UNUSUAL MOIST SPELL
3.0 to 3.9 VERY MOIST SPELL
ABOVE +4.0 EXTREME MOIST SPELL
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


ADDITIONAL PRECIPITATION NEEDED TO BRING INDEX TO NEAR ZERO
(LONG TERM, PALMER)
JUN 9, 1984
(VALUES ARE IN TENTHS; EXAMPLE: 37=3.7)
PUERTO RICO
MARYLAND
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


TOTAL GROWING DEGREE DAYS (CORN)
MARCH 1 - JUNE 9, 1984
ALASKA
HAWAII
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


AVERAGE TEMPERATURE (°F)
June 3 - 9, 1984
ALASKA
HAWAII
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


DEPARTURE OF AVERAGE TEMPERATURE FROM NORMAL (°F)
June 3 - 9, 1984
ALASKA
HAWAII
Shaded Areas Normal or Above
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports

Weather Data for the Week Ending JUNE 9, 1984

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE June 3	PCT. NORMAL SINCE June 3	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	89	63	90	55	76	1	0	- .8	0	0	0	24.2	88	92	56	2	0	0	0
MOBILE	87	64	89	58	76	-4	0	- 1.1	0	0	0	23.5	83	90	62	0	0	0	0
MONTGOMERY	91	64	92	59	77	0	0	- .8	0	0	0	22.4	93	94	60	5	0	0	0
AK ANCHORAGE	66	50	74	46	58	5	.2	0	.1	.2	100	4.3	126	67	36	0	0	3	0
BARROW	37	31	45	28	34	3	T	- .1	T	0	0	.8	67	98	84	0	6	0	0
FAIRBANKS	70	45	73	42	57	0	T	- .3	T	0	0	3.4	121	89	30	0	0	1	0
JUNEAU	61	45	68	42	53	2	.3	- .4	.2	.3	43	20.8	116	96	60	0	0	4	0
KODIAK	58	46	70	40	52	4	.6	- .3	.6	.6	67	37.4	114	91	60	0	0	2	1
NOME	58	38	67	33	48	4	T	- .2	T	0	0	2.4	69	75	46	0	0	0	0
AZ PHOENIX	96	72	100	69	84	0	0	0	0	0	+100	1.4	61	41	16	7	0	0	0
PRESCOTT	78	52	85	46	65	0	0	0	0	0	+100	.3	5	66	18	0	0	0	0
TUCSON	93	66	98	63	79	-1	T	0	T	0	+100	1.0	43	42	15	6	0	1	0
YUMA	94	70	100	66	82	-2	0	0	0	0	+100	.9	60	55	20	7	0	0	0
AR FORT SMITH	85	69	89	61	77	1	.1	- .9	.1	.1	10	14.4	77	84	54	0	0	1	0
LITTLE ROCK	86	68	89	64	77	1	T	- .8	T	0	0	22.1	93	87	56	0	0	0	0
CA BAKERSFIELD	81	55	86	48	68	-8	T	0	T	0	+100	1.2	29	74	26	0	0	1	0
EUREKA	59	49	61	45	54	0	.5	.3	.3	.5	250	16.5	75	91	71	0	0	2	0
FRESNO	83	58	89	54	70	-3	.2	.2	.2	.2	+100	2.0	29	72	26	0	0	1	0
LOS ANGELES	71	60	74	58	66	1	T	0	T	0	+100	1.7	70	81	58	0	0	0	0
RED BLUFF	78	57	87	48	67	-7	.1	- .1	.1	.1	50	4.2	33	74	29	0	0	1	0
SACRAMENTO	78	53	88	49	65	-5	.1	.1	.1	.1	+100	3.0	28	81	30	0	0	1	0
SAN DIEGO	72	65	75	62	68	3	T	0	T	0	+100	1.2	19	86	67	0	0	1	0
SAN FRANCISCO	69	51	71	49	60	0	T	0	T	0	+100	4.0	32	90	52	0	0	1	0
CO DENVER	73	49	78	43	61	-3	.2	- .2	.1	.2	50	5.7	78	83	24	0	0	5	0
GRAND JUNCTION	71	49	86	40	60	-10	1.6	1.5	.6	1.6	1600	5.3	141	78	34	0	0	4	1
PUEBLO	82	49	87	44	66	-3	T	- .2	T	0	0	3.7	86	70	18	0	0	2	0
CT BRIDGEPORT	85	61	93	50	73	7	.1	- .6	.1	.1	14	22.8	135	82	45	2	0	1	0
HARTFORD	87	58	96	45	73	6	.1	- .7	.1	.1	13	27.3	138	94	38	3	0	1	0
DC WASHINGTON	90	67	95	59	79	6	T	- .8	T	0	0	18.7	116	84	39	4	0	0	0
FL APALACHICOLA	85	63	86	59	74	-5	0	- 1.0	0	0	0	24.3	131	90	60	0	0	0	0
DAYTONA BEACH	86	64	90	61	75	-3	0	- 1.4	0	0	0	15.0	98	87	60	2	0	0	0
JACKSONVILLE	89	63	94	61	76	-2	0	- 1.2	0	0	0	17.1	84	96	45	3	0	0	0
KEY WEST	84	77	85	70	80	-2	.4	- .8	.4	.4	33	16.0	143	76	50	0	0	1	0
MIAMI	86	72	87	60	79	-1	.1	- 2.1	.1	.1	5	22.8	123	84	49	0	0	1	0
ORLANDO	89	66	92	60	77	-3	0	- 1.6	0	0	0	16.1	98	90	47	2	0	0	0
TALLAHASSEE	92	64	94	55	78	-1	0	- 1.4	0	0	0	30.6	115	95	44	7	0	0	0
TAMPA	89	70	92	65	79	-1	0	- 1.1	0	0	0	10.1	68	94	66	3	0	0	0
WEST PALM BEACH	84	71	84	62	77	-3	T	- 1.8	T	0	0	24.9	123	86	59	0	0	2	0
GA ATLANTA	88	67	90	61	77	3	T	- .8	T	0	0	20.7	171	84	40	1	0	0	0
AUGUSTA	91	64	95	60	78	2	0	- .9	0	0	0	28.4	134	91	40	5	0	0	0
MACON	91	65	94	63	78	1	0	- .8	0	0	0	22.9	101	97	47	5	0	0	0
SAVANNAH	89	67	94	63	78	1	0	- 1.2	0	0	0	26.4	134	86	43	3	0	0	0
HI HILO	82	68	85	67	75	0	.5	- .9	.2	.5	36	42.5	69	86	56	0	0	7	0
HONOLULU	86	73	87	72	79	0	T	- .1	T	0	0	4.8	37	75	47	0	0	1	0
KAHULUI	87	72	89	69	80	3	0	- .1	0	0	0	5.4	46	87	65	0	0	0	0
LIHUE	84	74	84	71	79	2	.3	- .1	.1	.3	75	7.2	34	77	57	0	0	3	0
ID BOISE	61	46	68	36	54	-10	1.0	.7	.3	1.0	333	6.0	101	82	38	0	0	4	0
LEWISTON	64	49	69	46	57	-7	.6	.3	.2	.6	200	5.9	95	85	45	0	0	4	0
POCATELLO	60	43	62	39	51	-9	.5	.2	.3	.5	167	6.6	118	83	42	0	0	3	0
IL CHICAGO	85	63	89	49	74	7	.3	- .6	.2	.3	33	14.4	104	89	42	0	0	4	0
MOLINE	85	64	90	46	74	5	2.9	1.9	1.6	2.9	290	17.6	119	87	45	1	0	3	2
PEORIA	84	64	89	52	74	5	1.7	.8	1.0	1.7	189	18.6	124	86	52	0	0	3	2
QUINCY	85	65	90	56	75	5	3.4	2.5	2.1	3.4	378	19.5	126	86	51	1	0	4	2
ROCKFORD	85	61	90	44	73	6	1.7	.7	1.2	1.7	170	12.7	86	92	47	1	0	3	1
SPRINGFIELD	86	67	90	55	76	5	.4	- .4	.2	.4	50	18.8	125	80	50	1	0	2	0
IN EVANSVILLE	90	68	93	61	79	6	T	- .8	T	0	0	19.4	96	73	35	4	0	1	0
FORT WAYNE	86	66	91	51	76	8	0	- .8	0	0	0	14.7	93	78	41	1	0	0	0
INDIANAPOLIS	84	65	88	53	75	5	0	- .9	0	0	0	15.6	90	80	45	0	0	0	0
SOUTH BEND	85	67	89	53	76	9	.8	- .1	.5	.8	89	13.5	85	75	36	0	0	2	1
IA DES MOINES	81	62	87	49	72	2	3.9	2.9	2.2	3.9	390	19.4	148	89	52	0	0	5	2
SIOUX CITY	77	60	85	49	69	0	2.3	1.4	1.8	2.3	256	17.8	176	80	55	0	0	4	1
WATERLOO	82	62	88	45	72	5	.6	- .4	.4	.6	60	13.1	98	91	52	0	0	2	0
KS CONCORDIA	83	63	93	52	73	2	2.1	1.1	1.6	2.1	210	16.2	150	92	60	1	0	4	1
DODGE CITY	89	59	97	54	74	2	T	- .7	T	0	0	9.6	107	83	31	4	0	1	0
GOODLAND	77	48	83	42	62	-5	.3	- .4	.3	.3	43	9.4	132	88	37	0	0	2	0
TOPEKA	83	62	86	49	73	1	1.4	.2	.7	1.4	117	15.1	121	92	55	0	0	3	1
WICHITA	87	65	91	58	76	2	.7	- .3	.6	.7	70	14.8	131	86	44	1	0	3	1
KY BOWLING GREEN	88	65	91	62	77	4	0	- 1.1	0	0	0	29.2	122	86	38	2	0	0	0
LEXINGTON	86	66	89	60	76	6	T	- .9	T	0	0	19.6	91	88	47	0	0	1	0
LOUISVILLE	88	66	93	60	77	6	.1	- .8	.1	.1	11	19.0	91	75	38	2	0	1	0
LA ALEXANDRIA	86	68	87	50	77	-3	6.3	5.3	6.2	6.3	630	33.7	118	90	56	0	0	2	1
BATON ROUGE	87	67	89	59	77	-2	.5	- .1	.5	.5	83	16.6	65	92	48	0	0	2	0
LAKE CHARLES	85	69	87	60	77	-2	2.0	1.0	1.0	2.0	200	23.0	100	96	61	0	0	2	1
NEW ORLEANS	85	67	87	55	76	-3	T	- 1.0	T	0	0	19.6	75	90	53	0	0	1	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

+100 = NORMAL & ACTUAL NEAR THE SAME

Weather Data for the Week Ending JUNE 9, 1984

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE June 3	PCT. NORMAL SINCE June 3	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	87	67	90	58	77	-1	1.6	.8	1.4	1.6	200	21.1	96	95	57	3	0	3	1
ME CARIBOU	72	52	89	41	62	4	.3	- .5	.1	.3	38	15.8	116	84	44	0	0	2	0
PORTLAND	76	52	95	45	64	4	T	- .7	T	0	0	28.7	148	90	54	1	0	1	0
MD BALTIMORE	89	60	95	50	75	5	.1	- .7	.1	.1	13	18.9	107	85	35	4	0	1	0
SALISBURY	88	63	95	47	76	6	.1	- .7	.1	.1	13	24.7	131	90	50	3	0	1	0
MA BOSTON	85	61	97	51	73	7	.1	- .6	T	.1	14	31.9	158	92	44	2	0	3	0
CHATHAM	72	56	78	52	64	5	.1	- .6	.1	.1	14	26.8	116	--	--	0	0	1	0
MI ALPENA	84	57	90	48	71	12	T	- .7	T	0	0	8.9	76	89	40	1	0	1	0
DETROIT	86	64	90	49	75	9	T	- .8	T	0	0	12.0	80	76	39	1	0	0	0
FLINT	83	62	86	47	73	9	.4	- .4	.4	.4	50	11.0	90	83	47	0	0	2	0
GRAND RAPIDS	84	63	89	46	74	9	T	- .9	T	0	0	11.7	85	92	46	0	0	0	0
HOUGHTON LAKE	80	61	82	51	71	10	.4	- .3	.3	.4	57	8.5	77	84	43	0	0	3	0
LANSING	84	62	88	47	73	9	.2	- .6	.2	.2	25	10.8	80	86	47	0	0	2	0
MARQUETTE	79	57	87	43	68	11	.7	- .2	.3	.7	78	13.0	83	90	44	0	0	4	0
MUSKEGON	80	58	86	46	69	6	T	- .6	T	0	0	12.0	80	83	46	0	0	1	0
SAULT STE. MARIE	79	53	88	40	66	10	.3	- .5	.2	.3	38	8.9	72	95	51	0	0	3	0
MN ALEXANDRIA	75	57	81	52	66	3	3.1	2.1	1.1	3.1	310	11.1	117	91	52	0	0	5	3
DULUTH	75	53	81	49	64	7	2.0	1.1	.9	2.0	222	8.4	79	87	51	0	0	6	1
INT'L FALLS	72	53	81	45	63	4	4.8	4.0	2.6	4.8	600	8.6	110	93	62	0	0	6	2
MINNEAPOLIS	81	61	89	51	71	5	5.4	4.5	2.9	5.4	600	15.3	156	95	51	0	0	5	3
ROCHESTER	76	56	82	44	66	2	.7	- .2	.5	.7	78	10.5	100	90	53	0	0	4	1
MS GREENWOOD	88	67	91	58	78	0	.2	- .6	.2	.2	25	23.8	86	86	45	2	0	1	0
JACKSON	90	66	94	56	78	0	.1	- .6	.1	.1	14	21.9	80	95	45	4	0	1	0
MERIDIAN	87	59	90	52	73	-4	0	- .7	0	0	0	22.3	83	96	43	1	0	0	0
MO CAPE GIRARDEAU	88	70	90	67	79	--	T	- .9	T	0	0	17.1	80	90	49	3	0	0	0
COLUMBIA	83	64	85	53	73	2	1.2	.3	1.0	1.2	133	20.0	120	96	60	0	0	3	1
KANSAS CITY	83	63	86	48	73	2	1.1	0	.7	1.1	100	16.7	122	87	54	0	0	3	1
SAINT LOUIS	87	70	90	59	78	6	.2	- .6	.2	.2	25	21.2	134	85	47	1	0	2	0
SPRINGFIELD	82	67	87	60	75	3	.4	- .7	.3	.4	36	17.3	100	85	57	0	0	2	0
MT BILLINGS	69	49	73	44	59	-3	.6	.1	.3	.6	120	5.2	68	71	32	0	0	5	0
GLASGOW	70	50	78	43	60	-1	.5	- .1	.3	.5	83	7.7	90	89	38	0	0	4	0
GREAT FALLS	67	45	73	40	56	-3	.3	- .4	.2	.3	43	5.1	65	82	36	0	0	3	0
HAVRE	68	44	79	37	56	-4	.1	- .4	.1	.1	20	2.8	58	84	34	0	0	2	0
HELENA	65	45	70	39	55	-2	.3	- .2	.2	.3	60	3.6	69	72	33	0	0	3	0
KALISPELL	58	41	66	35	50	-7	.8	.3	.3	.8	160	6.6	90	87	53	0	0	6	0
MILES CITY	69	51	76	46	60	-4	1.0	.3	.8	1.0	143	3.2	52	84	38	0	0	3	1
MISSOULA	59	42	66	40	51	-6	.2	- .3	.1	.2	40	7.0	104	92	49	0	0	4	0
NE GRAND ISLAND	83	59	89	50	71	2	.3	- .6	.2	.3	33	18.9	177	81	38	0	0	3	0
LINCOLN	83	61	93	49	72	2	1.1	.2	.8	1.1	122	21.4	181	97	51	1	0	2	1
NORFOLK	81	61	87	52	71	2	.8	- .3	.6	.8	73	17.7	174	84	44	0	0	4	1
NORTH PLATTE	79	52	88	45	66	-1	.3	- .6	.2	.3	33	10.6	122	76	30	0	0	2	0
OMAHA	80	61	87	53	71	2	2.7	1.7	1.3	2.7	270	18.5	152	87	59	0	0	4	2
SCOTTSBLUFF	74	47	84	41	61	-4	.6	- .1	.4	.6	86	8.2	117	82	25	0	0	4	0
VALENTINE	78	51	85	44	64	-1	.7	0	.5	.7	100	7.5	103	70	31	0	0	3	0
NV FLY	63	36	68	26	50	-7	.4	.2	.3	.4	200	3.6	77	87	31	0	1	2	0
LAS VEGAS	90	67	95	62	78	-3	0	0	0	0	+100	T	0	32	10	3	0	0	0
RENO	70	42	80	35	56	-4	.1	0	.1	.1	100	1.3	30	66	21	0	0	1	0
WINNEMUCCA	65	37	72	27	51	-10	.9	.6	.4	.9	300	6.0	143	88	27	0	2	5	0
NH CONCORD	84	52	95	36	68	5	.6	- .1	.3	.6	86	24.8	165	95	39	2	0	2	0
NJ ATLANTIC CITY	89	63	96	51	76	9	T	- .6	T	0	0	23.7	130	82	38	4	0	1	0
NM ALBUQUERQUE	82	52	88	45	67	-5	T	0	T	0	+100	1.6	80	65	17	0	0	2	0
CLOVIS	83	55	90	51	69	-3	.2	- .4	.2	.2	33	5.1	96	73	29	1	0	1	0
ROSWELL	88	62	96	57	75	-2	.2	0	.1	.2	100	3.2	130	61	23	4	0	2	0
NY ALBANY	84	55	93	45	69	5	.5	- .3	.5	.5	63	20.1	134	98	49	2	0	1	1
BINGHAMTON	80	60	88	47	70	8	.1	- .8	.1	.1	11	18.5	117	86	45	0	0	1	0
BUFFALO	80	65	89	55	72	8	.4	- .2	.4	.4	67	14.2	95	80	47	0	0	1	0
NEW YORK	88	69	96	58	78	9	T	- .7	T	0	0	25.4	137	78	44	3	0	0	0
ROCHESTER	82	63	89	53	73	8	T	- .6	T	0	0	15.4	117	83	47	0	0	2	0
SYRACUSE	82	56	89	44	69	5	.2	- .6	.2	.2	25	14.8	91	87	47	0	0	2	0
NC ASHEVILLE	86	56	88	54	71	3	T	- 1.0	T	0	0	23.9	110	100	45	0	0	0	0
CHARLOTTE	90	66	91	60	78	4	0	- .8	0	0	0	25.0	123	80	38	4	0	0	0
GREENSBORO	87	66	89	60	77	5	0	- .9	0	0	0	23.1	123	81	44	0	0	0	0
HATTERAS	81	64	84	54	73	0	0	- .9	0	0	0	20.6	96	91	53	0	0	0	0
NEW BERN	89	67	90	63	78	4	0	- 1.1	0	0	0	26.7	129	84	45	3	0	0	0
RALEIGH	88	65	90	59	76	4	0	- .8	0	0	0	25.0	130	80	48	2	0	0	0
WILMINGTON	85	66	87	65	76	1	0	- 1.2	0	0	0	21.6	106	91	54	0	0	0	0
ND BISMARCK	70	50	78	35	60	-2	1.5	.8	.5	1.5	214	7.8	126	93	58	0	0	6	1
FARGO	72	55	81	48	64	1	4.6	3.9	1.8	4.6	657	9.9	141	87	56	0	0	4	4
GRAND FORKS	69	54	84	43	61	0	4.6	3.9	2.1	4.6	657	9.1	144	89	63	0	0	5	3
WILLISTON	70	47	78	37	59	-3	.5	- .2	.2	.5	71	4.1	73	86	42	0	0	3	0
OH AKRON-CANTON	84	63	90	53	73	7	.2	- .6	.1	.2	25	15.7	98	78	40	1	0	2	0
CINCINNATI	86	63	90	53	74	5	0	- .9	0	0	0	16.3	88	82	41	1	0	0	0
CLEVELAND	84	62	89	50	73	7	.5	- .3	.5	.5	63	17.6	113	78	41	0	0	2	0
COLUMBUS	86	63	91	51	75	7	0	- .9	0	0	0	14.8	88	77	34	2	0	0	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending JUNE 9, 1984

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE June 3	PCT. NORMAL SINCE June 3	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
	DAYTON	84	64	88	53	74	5	0	- .9	0	0	0	15.4	94	67	76	0	0	0	0
	TOLEDO	86	65	91	48	75	9	0	- .8	0	0	0	14.2	103	77	40	2	0	0	0
	YOUNGSTOWN	83	61	88	48	72	8	1.3	.5	.7	1.3	163	15.9	98	84	46	0	0	3	1
OK	OKLAHOMA CITY	87	67	89	62	77	2	1.9	.9	1.4	1.9	190	11.5	82	81	49	0	0	4	1
	TULSA	86	70	89	63	78	2	.2	- 1.0	.2	.2	17	23.6	138	90	57	0	0	2	0
OR	ASTORIA	57	49	60	46	53	-2	1.6	1.0	.4	1.6	267	32.9	95	92	72	0	0	7	0
	BURNS	58	39	65	32	48	-10	.8	.6	.4	.8	400	5.5	204	84	50	0	1	6	0
	MEDFORD	66	45	76	39	55	-7	.5	.3	.2	.5	250	6.6	66	90	47	0	0	5	0
	PENDLETON	63	47	69	46	55	-9	.8	.6	.5	.8	400	7.8	194	89	44	0	0	3	0
	PORTLAND	63	51	66	49	57	-4	1.6	1.2	.9	1.6	400	17.4	93	86	54	0	0	7	1
	SALEM	62	46	64	38	54	-5	1.9	1.5	.6	1.9	475	20.9	101	98	47	0	0	7	2
PA	ALLENTOWN	87	59	94	49	73	6	.2	- .6	.1	.2	25	24.0	125	88	43	3	0	2	0
	ERIE	82	64	90	53	73	10	.4	- .5	.2	.4	44	15.0	93	80	50	1	0	3	0
	HARRISBURG	88	63	96	53	76	7	.2	- .7	.2	.2	22	22.9	133	--	--	3	0	1	0
	PHILADELPHIA	87	60	94	49	73	4	.1	- .8	.1	.1	11	22.5	125	88	43	3	0	1	0
	PITTSBURGH	84	58	89	46	71	5	T	- .8	T	0	0	15.0	89	78	34	0	0	0	0
	SCRANTON	84	59	91	47	72	6	.1	- .7	.1	.1	13	17.7	122	83	40	2	0	2	0
RI	PROVIDENCE	84	60	95	47	72	8	T	- .7	T	0	0	29.7	143	92	44	2	0	0	0
SC	CHARLESTON	88	69	93	65	79	2	0	- 1.4	0	0	0	27.0	136	91	51	2	0	0	0
	COLUMBIA	93	67	95	60	80	4	0	- 1.0	0	0	0	22.6	100	92	39	7	0	0	0
	FLORENCE	89	66	91	63	78	2	T	- 1.0	T	0	0	22.3	120	91	44	3	0	0	0
	GREENVILLE	90	69	92	66	79	6	0	- 1.1	0	0	0	29.1	117	83	44	5	0	0	0
SD	ABERDEEN	73	55	78	46	64	0	1.7	.9	.8	1.7	213	8.4	108	90	62	0	0	6	1
	HURON	75	56	80	48	65	0	3.4	2.6	1.0	3.4	425	12.2	151	98	63	0	0	4	4
	RAPID CITY	69	48	73	45	58	-5	2.0	1.2	1.4	2.0	250	7.8	100	80	52	0	0	6	1
	SIOUX FALLS	77	59	81	51	68	2	.9	- .1	.4	.9	90	12.7	132	87	53	0	0	3	0
TN	CHATTANOOGA	90	62	91	55	76	3	0	- .7	0	0	0	24.3	94	90	38	6	0	0	0
	KNOXVILLE	89	60	90	55	75	2	.1	- .8	.1	.1	11	24.1	104	100	49	4	0	1	0
	MEMPHIS	88	70	90	64	79	2	.5	- .4	.5	.5	56	27.0	107	81	46	2	0	2	1
	NASHVILLE	90	66	92	61	78	4	0	- .9	0	0	0	27.1	111	86	37	4	0	0	0
TX	ABILENE	92	70	97	64	81	2	.3	- .3	.3	.3	50	2.9	30	75	33	5	0	1	0
	AMARILLO	89	59	96	55	74	1	T	- .8	T	0	0	3.1	46	68	21	5	0	1	0
	AUSTIN	91	71	92	64	81	1	1.2	.4	.6	1.2	150	7.6	56	86	48	6	0	4	1
	BEAUMONT	84	71	85	60	77	-3	.8	- .1	.8	.8	89	24.4	120	99	70	0	0	1	1
	BROWNSVILLE	89	77	91	66	83	1	T	- .6	T	0	0	11.7	146	89	61	4	0	1	0
	CORPUS CHRISTI	89	75	91	65	82	0	.1	- .7	.1	.1	13	9.0	86	88	58	2	0	2	0
	DEL RIO	91	72	97	66	82	-1	.3	- .1	.3	.3	75	4.6	73	78	40	5	0	3	0
	EL PASO	90	67	94	54	79	0	0	- .1	0	0	0	1.2	67	45	15	3	0	0	0
	FORT WORTH	88	70	91	65	79	-1	1.6	.9	1.5	1.6	229	16.8	101	88	52	1	0	3	1
	GALVESTON	82	74	84	70	78	-2	.1	- .7	.1	.1	13	10.6	73	91	67	0	0	1	0
	HOUSTON	84	69	87	58	77	-3	1.5	.5	1.3	1.5	150	15.8	80	84	57	0	0	4	1
	LUBBOCK	89	65	98	58	77	1	.7	0	.6	.7	100	1.7	27	80	28	5	0	2	1
	MIDLAND	89	67	95	62	78	-1	2.0	1.7	1.8	2.0	667	5.9	123	82	29	4	0	3	1
	SAN ANGELO	91	70	96	62	80	1	.4	- .1	.3	.4	80	4.7	64	83	40	4	0	2	0
	SAN ANTONIO	91	72	93	63	82	1	.5	- .3	.4	.5	63	8.6	69	83	44	6	0	2	0
	VICTORIA	87	74	89	63	80	-1	.8	- .3	.6	.8	73	11.2	77	88	60	0	0	5	1
	WACO	90	71	92	65	80	0	1.0	.3	.8	1.0	143	10.4	68	89	55	3	0	3	1
	WICHITA FALLS	95	69	97	63	82	3	.9	.2	.4	.9	129	5.5	44	77	33	7	0	4	0
UT	BLANDING	72	43	79	35	58	-6	.7	.7	.5	.7	+100	3.1	70	77	27	0	0	3	1
	CEDAR CITY	75	46	82	36	61	-3	.4	.3	.4	.4	400	4.9	107	67	19	0	0	1	0
	SALT LAKE CITY	67	50	72	43	58	-7	1.6	1.4	.5	1.6	800	10.3	123	85	36	0	0	7	0
VT	BURLINGTON	81	57	92	41	69	6	.1	- .7	.1	.1	13	15.2	118	83	41	2	0	2	0
VA	NORFOLK	88	64	93	53	76	4	.3	- .4	.3	.3	43	26.6	143	95	60	3	0	1	0
	RICHMOND	93	65	99	55	79	7	0	- .8	0	0	0	27.4	156	88	42	5	0	0	0
	ROANOKE	88	61	92	53	75	5	0	- .8	0	0	0	19.2	107	90	47	4	0	0	0
WA	COLVILLE	60	46	68	41	53	-6	2.8	2.4	1.3	2.8	700	13.2	165	92	72	0	0	6	2
	QUILLAYUTE	59	46	65	42	52	-2	1.1	.3	.4	1.1	138	62.4	171	100	66	0	0	7	0
	SEATTLE-TACOMA	62	48	64	47	55	-3	.7	.3	.3	.7	175	18.3	101	90	55	0	0	5	0
	SPOKANE	60	46	68	43	53	-7	.8	.4	.4	.8	200	8.4	102	94	54	0	0	4	0
	YAKIMA	68	44	71	37	56	-7	.3	.2	.3	.3	300	3.9	103	74	36	0	0	3	0
WV	BECKLEY	83	59	87	48	71	6	.4	- .4	.4	.4	50	16.3	83	93	43	0	0	1	0
	CHARLESTON	90	60	93	50	75	6	0	- .7	0	0	0	14.8	78	84	34	5	0	0	0
	HUNTINGTON	88	62	91	51	75	5	0	- .8	0	0	0	15.3	81	89	38	5	0	0	0
	PARKERSBURG	86	63	88	53	74	6	0	- 1.1	0	0	0	13.6	67	71	32	0	0	0	0
WI	GREEN BAY	80	59	84	50	70	7	1.2	.5	.7	1.2	171	10.2	93	90	47	0	0	3	1
	LA CROSSE	82	61	88	50	71	5	2.0	1.1	1.7	2.0	222	11.2	96	87	45	0	0	5	1
	MADISON	80	59	86	44	70	5	4.2	3.3	2.3	4.2	467	14.0	117	87	53	0	0	6	3
	MILWAUKEE	84	63	89	55	73	11	1.3	.6	1.0	1.3	186	14.3	113	84	43	0	0	4	1
	WAUSAU	78	59	82	51	69	6	2.1	1.1	1.8	2.1	210	11.2	96	91	48	0	0	6	1
WY	CASPER	67	42	74	37	54	-6	.6	.3	.3	.6	200	7.6	121	89	31	0	0	6	0
	CHEYENNE	64	41	70	39	52	-7	1.0	.5	.4	1.0	200	8.6	130	80	34	0	0	4	0
	LANDER	65	43	68	36	54	-5	.7	.3	.4	.7	175	7.5	97	76	29	0	0	3	0
	SHERIDAN	66	42	72	36	54	-5	1.2	.6	1.1	1.2	200	7.9	100	90	45	0	0	3	1
PR	SAN JUAN	89	74	92	73	82	1	3.5	2.4	.9	3.5	318	13.0	70	89	57	3	0	5	4

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

COOLING DEGREE DAY DATA WEEKLY SUMMARY
CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA
ASSESSMENT AND INFORMATION SERVICES CENTER-NESDIS-NOAA

LAST DATE OF DATA COLLECTION PERIOD IS 6- 9-1984
ACCUMULATIONS ARE FROM JANUARY 1
** = NORMAL LESS THAN 100 OR RATIO INCALCULABLE

STATE CITY	CALL	WEEK TOTAL	WEEK DEV FROM NORM	WEEK DEV FROM L YR	CUM TOTAL	CUM DEV FROM NORM	CUM DEV FROM L YR	CUM DEV FROM NORM PRCT	CUM DEV FROM L YR PRCT
AL BIRMINGHAM	BHM	78	5	26	259	-35	65	-26	32
AL MOBILE	MOB	76	-25	4	452	-197	103	-30	30
AL MONTGOMERY	MGM	88	0	26	404	-88	126	-18	45
AK ANCHORAGE	ANC	0	0	0	0	0	0	**	**
AK BARROW	BRW	0	0	0	0	0	0	**	**
AK FAIRBANKS	FAI	0	-3	0	0	-5	-12	**	**
AK JUNEAU	JNU	0	0	0	0	0	0	**	**
AK KODIAK	ADQ	0	0	0	0	0	0	**	**
AK NOME	OME	0	0	0	0	0	0	**	**
AZ FLAGSTAFF	FLG	0	-2	0	2	0	2	**	**
AZ PHOENIX	PHX	137	4	-8	1133	417	360	58	43
AZ TUCSON	TUS	103	-8	7	704	171	249	32	55
AZ WINSLOW	INW	21	-18	-12	155	59	66	**	**
AZ YUMA	YUM	123	-15	-23	1183	246	240	26	25
AR FORT SMITH	FSM	85	11	45	232	-92	72	-28	45
AR LITTLE ROCK	1M1	86	4	38	282	-87	89	-24	46
CA BAKERSFIELD	BFL	23	-59	-74	282	-118	-37	-29	-12
CA EUREKA	EKA	0	0	0	0	0	0	**	**
CA FRESNO	FAT	39	-22	-55	419	161	115	62	38
CA LOS ANGELES	LAX	7	-6	7	95	23	61	**	**
CA RED BLUFF	RBL	21	-45	-69	285	14	-3	5	-1
CA SAN DIEGO	SAN	23	9	9	212	129	119	**	**
CA SAN FRANCISCO	SFO	0	0	-12	41	41	21	**	**
CA STOCKTON	SCK	19	-30	-58	242	57	47	31	24
CO DENVER	DEN	1	-20	1	34	-4	27	**	**
CO GRAND JUNCTION	GJT	8	-32	-2	149	36	88	32	144
CO PUEBLO	PUB	9	-27	7	95	8	77	**	**
CT BRIDGEPORT	BDR	61	47	50	67	32	56	**	**
CT HARTFORD	BDL	61	40	46	70	19	34	**	**
DE WILMINGTON	ILG	76	43	44	125	38	32	**	**
DC WASHINGTON	DCA	96	43	45	199	21	49	12	33
FL APALACHICOLA	AQQ	67	-29	-20	407	-204	18	-33	5
FL DAYTONA BEACH	DAB	72	-21	-14	514	-256	68	-33	15
FL FORT MEYER	FMY	110	2	7	1050	-96	260	-8	33
FL JACKSONVILLE	JAX	81	-10	4	521	-73	130	-12	33
FL KEY WEST	EYW	108	-12	-15	1557	-111	315	-7	25
FL MIAMI	MIA	100	-8	-16	1198	-186	85	-13	8
FL ORLANDO	MCO	88	-17	-20	732	-284	11	-28	2
FL TALLAHASSEE	TLH	92	-2	8	487	-113	61	-19	14
FL TAMPA	TPA	100	-5	-19	858	-86	132	-9	17
FL WEST PALM BEACH	PBI	89	-16	-17	1037	-148	14	-12	1
GA ATLANTA	ATL	90	21	43	247	-63	68	-20	38
GA AUGUSTA	AGS	89	12	18	334	-39	50	-10	18
GA MACON	MCN	95	7	-3	424	-66	1	-13	0
GA SAVANNAH	SAV	95	8	7	486	-39	56	-7	13
HI HILO-HAWAII	ITO	71	4	3	1341	182	144	16	12
HI HONOLULU-OAHU	HNL	102	4	6	1872	276	426	17	29
HI KAHULUI-MAUI	OGG	105	21	19	1798	432	439	32	32
HI LIHUE-KAUAI	LIH	96	12	-2	1762	460	401	35	29
ID BOISE	BOI	0	-14	-11	20	-17	-47	**	**
ID LEWISTON	LWS	0	-14	-28	13	-22	-95	**	**
ID POCATELLO	PIH	0	-6	-1	15	0	10	**	**
IL CHICAGO	ORD	63	35	57	85	7	74	**	**
IL MOLINE	MLI	66	29	48	105	-7	74	-6	239
IL PEORIA	PIA	68	30	57	115	-8	91	-6	364
IL ROCKFORD	RFD	60	32	55	79	-2	70	**	**
IL SPRINGFIELD	SPI	82	33	62	143	-35	103	-20	257
IN EVANSVILLE	EVV	98	41	74	187	-38	110	-17	143
IN FORT WAYNE	FWA	78	49	71	115	20	93	**	**
IN INDIANAPOLIS	IND	69	27	61	104	-33	86	-24	478
IN SOUTH BEND	SBN	78	49	72	112	27	102	**	**
IA DES MOINES	DSM	49	11	19	92	-27	38	-23	70
IA DUBUQUE	DBQ	35	13	28	53	-7	45	**	**
IA SIOUX CITY	SUX	30	-6	22	51	-50	27	-50	113
KS CONCORDIA	CNK	57	8	45	117	-34	82	-23	234
KS DODGE CITY	DDC	65	9	50	162	-19	90	-10	125
KS GOODLAND	GLD	2	-29	-1	15	-56	-5	**	**
KS TOPEKA	TOP	56	3	27	148	-45	61	-23	70
KS WICHITA	ICT	77	12	64	155	-82	105	-35	210
KY LEXINGTON	LEX	77	33	62	146	-39	100	-21	217
KY LOUISVILLE	SDF	88	38	70	183	-27	113	-13	161
LA BATON ROUGE	BTR	86	-14	10	573	-82	171	-13	43
LA LAKE CHARLES	LCH	87	-13	-2	678	16	231	2	52
LA NEW ORLEANS	MSY	78	-22	-1	530	-174	60	-25	13
LA SHREVEPORT	SHV	86	-8	13	457	-81	156	-15	52
ME CARIBOU	CAR	22	22	22	32	32	32	**	**
ME PORTLAND	PWM	25	25	25	25	25	25	**	**
MD BALTIMORE	BWI	71	31	45	129	11	30	9	30
MA BOSTON	BOS	62	47	43	95	58	49	**	**
MI ALPENA	APN	41	41	41	41	41	40	**	**
MI DETROIT	DTW	70	49	70	87	27	85	**	**
MI FLINT	FNT	59	44	56	60	18	56	**	**
MI GRAND RAPIDS	GRR	63	42	59	84	25	78	**	**
MI HOUGHTON LAKE	HTL	41	29	41	41	11	41	**	**
MI LANSING	LAN	60	39	58	80	23	77	**	**
MI MARQUETTE	MQT	29	26	29	30	14	30	**	**
MI MUSKEGON	MKG	37	23	37	38	0	34	**	**
MI SAULT ST MARIE	SSM	23	20	23	23	9	23	**	**
MN DULUTH	DLH	5	5	5	9	9	9	**	**
MN INT'L FALLS	INL	7	0	7	11	-12	11	**	**
MN MINNEAPOLIS	MSP	44	21	42	58	3	66	**	**
MN ROCHESTER	RST	20	2	20	27	-22	27	**	**
MN SAINT CLOUD	STC	21	9	21	37	2	37	**	**
MS JACKSON	JAN	95	6	33	446	-67	125	-13	39
MS MERIDIAN	MEI	57	-27	5	273	-195	29	-42	12
MO COLUMBIA	COU	60	13	43	112	-60	59	-35	160
MO KANSAS CITY	MCI	61	9	54	120	-65	86	-35	253
MO SAINT LOUIS	STL	95	35	62	203	-24	123	-11	154
MO SPRINGFIELD	SGF	69	18	50	155	-49	61	-24	109
MT BILLINGS	BIL	0	-10	-6	31	18	1	**	**
MT GLASGOW	GGW	0	-7	-3	30	14	19	**	**
MT GREAT FALLS	GTF	0	-3	-3	20	15	13	**	**
MT HAVRE	HVR	0	-5	-4	17	2	7	**	**
MT HELENA	HLN	0	-3	-4	10	6	2	**	**
MT KALISPELL	FCA	0	-1	0	0	-1	-4	**	**
MT MILES CITY	MLS	0	-18	-8	36	-6	14	**	**
MT MISSOULA	MSO	0	-3	-3	0	-3	-3	**	**
NE GRAND ISLAND	GRI	46	6	33	94	-8	58	-8	161
NE LINCOLN	LNK	52	10	34	85	-36	35	-30	70
NE NORFOLK	OFK	42	8	28	67	-24	30	**	**
NE NORTH PLATTE	LBF	14	-12	13	41	-18	32	**	**
NE OMAHA	ONA	41	-6	25	75	-75	38	-50	103
NE VALENTINE	VTN	4	-20	4	43	-2	31	**	**
NV ELY	ELY	0	-1	0	1	0	1	**	**
NV LAS VEGAS	LAS	95	-17	-15	699	169	290	32	71
NV RENO	RNO	0	-6	-1	17	1	-1	**	**
NV WINNEMUCCA	WMC	0	-11	-1	8	-22	-17	**	**
NH CONCORD	CON	36	29	34	50	33	46	**	**
NJ ATLANTIC CITY	ACY	78	51	50	120	62	50	**	**
NM ALBUQUERQUE	ABQ	17	-34	-24	211	87	88	70	72
NM ROSWELL	ROW	71	-15	21	372	32	197	9	113
NY ALBANY	ALB	43	29	37	44	5	30	**	**
NY BINGHAMTON	BGM	51	46	49	60	47	57	**	**
NY BUFFALO	BUF	55	41	55	76	38	70	**	**
NY NEW YORK	LGA	95	63	66	135	46	92	**	**
NY ROCHESTER	ROC	60	46	60	76	33	69	**	**
NY SYRACUSE	SYR	43	29	43	50	9	47	**	**
NC ASHEVILLE	AVL	44	13	30	66	-38	29	-37	78
NC CAPE HATTERAS	HAT	55	3	10	214	23	37	12	21
NC CHARLOTTE	CLT	90	29	44	218	-61	56	-19	35
NC GREENSBORO	GSO	82	32	52	168	-52	66	-24	65
NC RALEIGH DURHAM	RDU	82	30	37	210	-15	53	-7	34
NC WILMINGTON	ILM	76	4	29	317	-43	133	-12	72
ND BISMARCK	BIS	0	-13	0	19	-8	14	**	**
ND FARGO	FAR	4	-10	4	22	-17	20	**	**
ND WILLISTON	ISN	0	-10	-6	21	-4	7	**	**
OH AKRON-CANTON	CAK	60	38	58	75	10	60	**	**
OH CLEVELAND	CLE	60	39	59	76	15	59	**	**
OH COLUMBUS	CMH	71	37	68	112	3	90	3	409
OH CINCINNATI	CVG	67	29	62	121	-18	91	-13	303
OH DAYTON	DAY	65	30	63	100	-21	89	-17	809
OH TOLEDO	TOL	75	52	74	102	36	95	**	**
OH YOUNGSTOWN	YNG	52	35	52	76	25	68	**	**
OK OKLAHOMA CITY	OKC	85	16	50	276	-17	123	-6	80
OK TULSA	TUL	91	18	42	269	-56	48	-17	22
OR ASTORIA	AST	0	0	0	0	0	0	**	**
OR BURNS	4BW	0	-3	0	3	-9	-13	**	**
OR MEDFORD	MFR	0	-13	-24	20	-12	-82	**	**
OR PENDLETON	PDT	0	-15	-15	8	-27	-67	**	**
OR PORTLAND	PDX	0	-3	-14	10	-1	-53	**	**
OR SALEM	SLE	0	-3	-2	1	-3	-22	**	**
PA ALLENTOWN	ABE	63	42	48	86	24	43	**	**
PA ERIE	ERI	61	50	61	84	62	79	**	**
PA HARRISBURG	CXY	63	28	47	103	-1	62	-1	151
PA PHILADELPHIA	PHL	62	30	19	94	-8	-4	-8	-4
PA PITTSBURGH	PIT	46	25	44	61	-4	53	**	**
PA SCRANTON	AVP	57	40	51	75	32	53	**	**
RI PROVIDENCE	PVD	58	47	47	66	44	48	**	**
SC CHARLESTON	CHS	96	16	17	419	-11	70	-3	20
SC COLUMBIA	CAE	105	26	33	344	-87	65	-20	23
SC GREENVILLE	GSP	102	43	58	252	-10	118	-4	88
SD ABERDEEN	ABR	3	-16	3	15	-30	12	**	**
SD HURON	HON	7	-17	7	20	-29	16	**	**
SD RAPID CITY	RAP	0	-15	0	20	-5	11	**	**
SD SIOUX FALLS	FSD	24	1	22	34	-27	17	**	**
TN CHATTANOOGA	CHA	77	15	37	173	-92	48	-35	38
TN KNOXVILLE	TYS	70	14	40	152	-98	41	-39	37
TN MEMPHIS	MEM	101	17	44	344	-54	104	-14	43
TN NASHVILLE	BNA	94	28	45	209	-72	64	-26	44
TX ABILENE	ABI	115	19	56	570	60	182	12	47
TX AMARILLO	AMA	67	10	60	201	-1	152	0	310
TX AUSTIN	AUS	112	6	36	843	144	396	21	89
TX BROWNSVILLE	BRO	126	7	7	1227	16	175	1	17
TX CORPUS CHRISTI	CRP	120	3	18	931	-102	218	-10	31
TX DEL RIO	DRT	120	-2	15	915	10	148	1	19
TX EL PASO	ELP	98	-1	36	504	88	233	21	86
TX FORT WORTH	DFW	101	-5	37	490	-122	178	-20	57
TX GALVESTON	GLS	94	-12	-8	590	-106	91	-15	18
TX HOUSTON	IAH	83	-18	-9	617	-54	140	-8	29
TX LUBBOCK	LBB	86	9	57	337	35	167	12	98
TX MIDLAND ODESSA	MAF	93	-2	20	487	36	100	8	26
TX SAN ANGELO	SJT	111	7	41	611	20	163	3	36
TX SAN ANTONIO	SAT	118	10	37	803	46	292	6	57
TX VICTORIA	VCT	108	-2	10	826	-17	213	-2	35
TX WACO	ACT	107	1	32	626	-15	243	-2	63
TX WICHITA FALLS	SPS	120	25	67	456	-8	203	-2	80
UT SALT LAKE CITY	SLC	0	-20	-9	63	7	17	**	**
VT BURLINGTON	BTV	41	34	41	47	14	47	**	**
VA LYNCHBURG	LYH	80	42	51	170	32	91	23	115
VA NORFOLK	ORF	78	25	29	229	44	50	24	28
VA RICHMOND	RIC	100	51	49	224	47	43	27	24
VA ROANOKE	ROA	71	31	52	168	18	99	12	143
WA QUILLAYUTE	UIL	0	0	0	0	0	-4	**	**
WA SEATTLE-TACOMA	SEA	0	-3	-2	1	-4	-25	**	**
WA SPOKANE	GEG	0	-3	-14	3	-11	-60	**	**
WA WALLA WALLA	ALW	0	-21	-29	25	-28	-106	**	**
WA YAKIMA	YKM	0	-14	-17	3	-28	-87	**	**
WV BECKLEY	BKW	44	25	41	78	24	56	**	**
WV CHARLESTON	CRW	71	33	57	161	11	102	7	173
WV HUNTINGTON	HTS	73	30	62	171	-10	115	-6	205
WV PARKERSBURG	PKB	67	29	53	130	-15	79	-10	155
WI GREEN BAY	GRB	37	23	37	40	2	40	**	**
WI LACROSSE	LSE	47	23	44	65	-11	61	**	**
WI MADISON	MSN	38	21	35	45	-3	42	**	**
WI MILWAUKEE	MKE	60	46	53	80	47	73	**	**
WY CASPER	CPR	0	-7	0	15	-6	15	**	**
WY CHEYENNE	CYS	0	-5	0	1	-6	1	**	**
WY LANDER	LND	0	-7	0	13	6	8	**	**
WY SHERIDAN	SHR	0	-6	-1	7	1	0	**	**

See back cover for additional information.

National Agricultural Summary

June 4 to 10

HIGHLIGHTS: Widespread heavy showers persisted for most of the week, delaying completion of planting across most of the Great Plains into the western Corn Belt. Soil moisture was replenished in this region, but farmers had only 3 to 5 days suitable for fieldwork. Torrential rainfall lodged some small grains and eroded some newly planted fields in portions of eastern Kansas, northwestern Missouri, and south-central Iowa. Beneficial showers fell in the very dry cotton areas of western Texas. Elsewhere, sunny, warm weather promoted rapid planting; 5 to 7 days were suitable for fieldwork in most areas. Soil moisture was mostly adequate to short with scattered areas of surplus supplies. Very short supplies were reported in portions of Montana and from southern California through portions of western Texas.

Corn planting was 97% complete, compared with 95% a year ago and the 96% average. Soybean seeding was 74% finished, 1 point ahead of the average. Open weather allowed rapid progress in the Southeast. Winter wheat continued in fair to good condition; 83% of the acreage was headed and 6% had been harvested. Spring wheat was 96% emerged; beneficial rains relieved dry conditions across the northern Plains. Producers planted 86% of the cotton crop; plants had squared on 10% of the acreage. Sorghum was 68% planted, ahead of normal in all States except Nebraska and South Dakota. Rice seeding reached 98% completion; plants had emerged on 93% of the acreage. Warm, sunny weather enhanced fruit and vegetable development across most of the East. Pastures and livestock were in mostly good condition, except from California to central Texas where ranges were poor and cattle were rated fair.

SMALL GRAINS: Winter wheat continued in fair to good condition. Warmer weather advanced winter wheat heading in the 15 major producing States to 83% completion, 5 percentage points behind the average. Heading was average or lagging average in all States except Kansas and Texas where it was slightly ahead of normal. Washington stands were 36 points behind normal, and the South Dakota crop trailed normal by 29 points. Heading was complete in California, Oklahoma, and Texas and nearly finished in Kansas. Harvesting was confined to California, Oklahoma, and Texas. Six percent of the crop was combined, twice the normal for this date.

Spring wheat was 96% emerged in the five major producing States, equal to last year and ahead of the 91% average. Soil moisture was replenished by widespread showers across most of the northern Plains.

CORN: Corn planting advanced to 97% completion in the 17 major producing States compared with the 98% average for this date. Producers in Iowa and Nebraska finished planting during the week. Planting was only 76% finished in Pennsylvania and 87% finished in South Dakota. Emerged fields were in fair to mostly good condition in all regions. Silking became more widespread in the South, reaching 42% in Georgia. Early planted fields reached the dough stage across the extreme South.

SOYBEANS: Soybean seeding in the 18 major producing States was 74% finished, ahead of last year's 68% and the 73% average. However, progress was 12 points behind average in South Carolina and 11 points behind in Alabama. Warm, dry weather allowed increased combining of winter wheat in the Southeast and the beginning of seeding of double-cropped soybeans. Emerged plants were in fair to good condition in most areas.

SORGHUM: Sorghum planting was 68% finished, equaling the normal and 8 points ahead of last year. Nebraska, South Dakota, and Texas were the only States trailing the average. Torrential rains halted seeding from eastern Kansas through northwestern Missouri and eroded some previously seeded fields. Fourty-two percent of the crop was headed in Texas, compared with the 38% average. Beneficial showers aided growth in portions of Texas and allowed increased planting on the Texas Plains.

COTTON: Cotton planting in the 14 major producing States advanced to 86% completion, 5 points less than average. Growers neared completion or were finished in all States except Oklahoma and Texas. Planting was 15 points behind average in Oklahoma and 8 points behind average in Texas. Squaring ranged up to 45% finished in Arizona. Ten percent of the crop had squared in the 14 major producing States, trailing the 13% average. In Texas, 6% of the acreage was setting bolls. Scattered showers aided Texas dryland fields but additional rainfall would be beneficial.

OTHER CROPS: Rice seeding was 98% complete in the five major States, slightly ahead of both last year and the average. Plants had emerged on 93% of the acreage and were in fair to good condition. Early planted fields began heading in Texas.

Peanut planting was virtually complete in the Southeast. The Texas crop was 53% planted with adequate moisture available for development. The crop bloomed on 32% of the acreage in Georgia; 7% of the fields pegged.

Tobacco transplanting was active with open weather for most of the week. Premature blooming was reported in portions of the Southeast. Harvesting was 1% complete in Georgia, compared with the 4% average.

Hay cutting was active across much of the East but was halted by widespread showers across the Great Plains and into the western Corn Belt.

FRUITS AND NUTS: Peach picking advanced to 4% completion in South Carolina and 28% completion in Georgia.

Florida's citrus groves continued in good condition but some irrigation was necessary. Some softening of remaining citrus for harvest was reported as supplies were running low.

The Texas peach harvest spread statewide except on the Plains. Fruit sizes were reported small. Grapefruit picking was winding down in Arizona but early grape varieties were being picked in the Salt River Valley.

California producers picked apricots, avocado's, cherries, table grapes, nectarines, Freestone peaches, plums, summer grapefruit, and Valencia oranges. Walnuts had a good set. Bushberry harvesting was active in the Central Valley.

VEGETABLES: Warm sunny weather enchanced vegetable development across much of the East. Potato planting was 96% finished in Idaho and 95% complete in Maine.

Florida's vegetable shipments decreased 11% from the previous week. Crops registering increases were snap beans, eggplant, and watermelons. Sweet corn harvesting shifted from the Everglades to the Zellwood area.

Most Texas crops were developing well; growers harvested peppers, onions, and tomatoes. Irrigation was still required on the High Plains despite recent showers. Arizona producers

(continued on p. 19)

CROP PROGRESS

FOR WEEK ENDING JUNE 10

SOYBEANS
% PLANTED

	1984	1983	AVG.
ALA	62	52	73
ARK	60	52	45
GA	66	65	72
ILL	82	77	85
IND	85	75	75
IOWA	88	94	89
KANS	65	40	45
KY	43	20	48
LA	80	56	70
MICH	70	55	79
MINN	91	88	91
MISS	69	54	60
MO	62	59	61
NEBR	75	93	85
N C	63	64	67
OHIO	75	70	75
S C	57	59	69
TENN	53	22	55
18 STATES	74	68	73

THESE 18 STATES PRODUCED 93% OF THE 1983 SOYBEAN CROP.

RICE
% PLANTED

	1984	1983	AVG.
ARK	96	96	95
CALIF	99	95	98
LA	99	95	98
MISS	100	94	100
TEX	100	100	100
5 STATES	98	96	97

RICE
% EMERGED

	1984	1983	AVG.
ARK	89	84	92
CALIF	93	75	89
LA	98	91	96
MISS	92	81	91
TEX	100	100	99
5 STATES	93	86	93

THESE 5 STATES PRODUCED 98% OF THE 1983 RICE CROP.

CORN
% PLANTED

	1984	1983	AVG.
COLO	99	97	96
GA	100	100	100
ILL	97	94	98
IND	98	93	92
IOWA	100	100	98
KANS	99	96	95
KY	94	79	93
MICH	97	90	95
MINN	98	96	98
MO	95	93	93
NEBR	100	100	98
N C	100	100	100
OHIO	95	90	90
PA	76	83	87
S DAK	87	95	97
VA	96	95	96
WIS	95	86	95
17 STATES	97	95	96

THESE 17 STATES PRODUCED 90% OF THE 1983 CORN CROP.

SORGHUM
% PLANTED

	1984	1983	AVG.
COLO	74	53	60
KANS	50	30	45
MO	80	60	64
NEBR	65	90	80
OKLA	85	35	60
S DAK	48	69	71
TEX	85	83	88
7 STATES	68	60	68

THESE 7 STATES PRODUCED 85% OF THE 1983 SORGHUM CROP.

SPRING WHEAT
% EMERGED

	1984	1983	AVG.
IDAHO	100	100	100
MINN	99	96	93
MONT	90	100	90
N D	95	92	86
S DAK	100	100	100
5 STATES	96	96	91

THESE 5 STATES PRODUCED 94% OF THE 1983 SPRING WHEAT CROP.

WINTER WHEAT
% HEADED

	1984	1983	AVG.
CALIF	100	100	100
COLO	64	62	79
IDAHO	17	23	24
ILL	95	98	99
IND	90	90	99
KANS	99	95	98
MO	96	93	100
MONT	5	10	10
NEBR	80	65	90
OHIO	80	85	90
OKLA	100	99	100
OREG	76	90	84
S DAK	36	49	65
TEX	100	99	99
WASH	37	95	73
15 STATES	83	85	88

THESE 15 STATES PRODUCED 84% OF THE 1983 WINTER WHEAT CROP.

WINTER WHEAT
% HARVESTED

	1984	1983	AVG.
CALIF	25	0	19
COLO	0	0	0
IDAHO	0	0	0
ILL	0	0	0
IND	0	0	0
KANS	0	0	0
MO	0	0	0
MONT	0	0	0
NEBR	0	0	0
OHIO	0	0	0
OKLA	5	1	5
OREG	0	0	0
S DAK	0	0	0
TEX	39	15	16
WASH	0	0	0
15 STATES	6	2	3

THESE 15 STATES PRODUCED 84% OF THE 1983 WINTER WHEAT CROP.

COTTON
% PLANTED

	1984	1983	AVG.
ALA	100	100	100
ARIZ	100	100	99
ARK	100	100	100
CALIF	100	100	100
GA	97	98	98
LA	99	98	99
MISS	100	99	100
MO	100	100	100
N MEX	100	92	98
N C	100	100	100
OKLA	40	50	55
S C	100	100	100
TENN	100	95	95
TEX	78	75	86
14 STATES	86	85	91

THESE 14 STATES PRODUCED 99% OF THE 1983 COTTON CROP.

COTTON
% SQUARING

	1984	1983	AVG.
ALA	0	0	5
ARIZ	45	45	46
ARK	2	0	7
CALIF	15	2	8
GA	21	22	46
LA	2	1	8
MISS	4	1	10
MO	0	0	0
N MEX	0	0	0
N C	0	0	9
OKLA	0	0	0
S C	4	27	31
TENN	0	0	0
TEX	11	8	14
14 STATES	10	7	13

THESE 14 STATES PRODUCED 99% OF THE 1983 COTTON CROP.

State Summaries of Weather and Agriculture

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by SRS State Statistical Offices in cooperation with the National Weather Service.

ALABAMA: Rainfall 0.00 in. Temperatures averaged 2° below normal to 4° above normal.

Soil moisture very short to short south, short to adequate north. Fieldwork: 6.4 days. Corn silked 26%, 8% 1983, 29% average. Soybeans planted 62%, 52% 1983 73% average. Cotton planted 100%, 100% 1983, 100% average. Cotton squaring 0%, 0% 1983, 5% average. Sorghum planted 71%, 60% 1983, 61% average. Wheat harvested 38%, 14% 1983, 37% average. Hay first cutting 56%. Activities: Routine care of livestock and poultry; planting soybeans and sorghum, harvesting wheat, hay, fruits and vegetables. Conditions: Corn, soybeans, sorghum, peanuts, cotton and pasture fair to good; wheat and livestock mostly good.

ALASKA: Fair weather with afternoon showers. Temperatures warmer than normal. Rainfall less than 0.50 in. Keeping seasonal totals drier than normal.

Warm sunshine, scattered showers pushed crop growth at moderate to mostly rapid throughout the Railbelt. Up to 7.0 days suitable for fieldwork. Small grain seeding continues for hay and silage. Barley and oats for grain, good emergence ded moisture to promote growth. Condition of all crops; average or above. Livestock in good condition. Soil moisture supplies short to mostly adequate. Winter and spring livestock losses normal.

ARIZONA: Partly cloudy, gusty winds dominated first half. Widely scattered showers over southeast and from Mogollin Rim, White Mountains northward. Sunny remainder of period. Temperature maximums at 7,000 ft. in 60's, lower 70's, 70's, low 80's in central basins, mostly below 100 in deserts. Average temperatures varied 5° below normal to 2° above.

Wheat, barley 65% combined. Harvest progress ranged 70% Yuma, La Paz Counties to 60% Central Valley, 10% southeast. Cotton 45% squaring, 45% last year, 46% average. Plant conditions improved Central Valley, southeast. Growers monitored insect populations, some controls used as needed. Alfalfa harvest continued active. Supplies more than adequate for current demands, some growers started stacking. Prices off slightly. Safflower good condition, approaching full bloom early fields. Potato harvest full swing Salt River Valley. Lettuce in Willcox area will be completed June 16. Green onions, dry onions, carrots harvested in volume Salt River Valley. Some cabbage harvested. Melon harvest in Yuma, Salt River Valley continued good progress, adequate supplies. Cantaloup harvest full swing parker area. Graperfruit picking winding down. Grape harvest started Salt River-Hyder areas, early varieties picked. Peaches finished, plums expected to start by June 16.

ARKANSAS: Near normal temperatures with scattered showers mostly in southeastern sections, but remainder of week generally dry. Departures -3 to +3°. Most rainfall 2.27 in., least 0 to trace at several locations.

Soil moisture adequate to dry. Days favorable for fieldwork: 6.2. Crop progress moderate, rice condition good to fair; virtually seeded, same as 1983 and normal; emerged 89%; 84% 1983, 92% average. Cotton fair condition; emerged 100%, 97% 1983, 98% average; squaring 2%, none 1983, 7% average. Soybeans good; planted 60%, 52% 1983, 45% average; emerged 48%, 34% 1983, 36% average. Oats fair; harvested less than 5%, 27% 1983, 21% normal. Wheat good condition; harvested 11%, 10% 1983 21% average. Corn good; planted 94%, 97% 1983, 92% average. Sorghum fair to good; planted 90%, 85% 1983, 87% average. Hay being harvested. Pastures and cattle good condition.

CALIFORNIA: After a hot spell, a cooling trend with some precipitation was scattered across much of the State. The only area not reporting rain, was the desert southeast. Except for the south coast, the rest of the State was generally cooler than normal with the weekly normals. The Cascade-Sierra division showed the most cooling and a morning or two with minimums at or a bit below freezing. The short series of weather systems that moved across the State dropped most rain over the extreme northern and, right around 1.00 in. To the south, rain amounts were considerably less.

Small grain harvest advancing. Winter wheat 25% harvested, 0% last year, 19% average. Cotton 15% squared, 2% last year, 8% average. Cotton irrigation, cultivation, and insect control active. Rice 99% planted, 93% emerged; last year 95% planted, 75% emerged, average 98% and 89%. Corn and beans showing normal growth. Safflower blooming. Sugarbeets showing good progress. Alfalfa cutting remains active. Apricot, avocado, cherry, Coachella Valley table grape, nectarine, Freestone peach, plum, summer grapefruit, and Valencia orange harvests active. Mildew control in grapes; light rain minimal affect. Normal dropping Navel oranges. Spraying Navel Orange worm, weeds in almonds. Walnuts good set. Artichokes light supply central coast. Asparagus harvest light. Snap bean harvest active central, southern districts. Broccoli harvest continued central coast, good quality. Planting brussels sprouts continued. Bushberry harvest active central valley. Cantaloup harvest increasing southern district, watermelon harvest begin within weeks. Carrot harvest active, Coachella Valley, San Joaquin Valley increasing. Cauliflower harvest continued strong, Salinas-Watsonville, good quality. Celery harvest increasing Salinas-Watsonville. Sweet corn harvest increasing south coast, continued active desert. Lettuce harvest continues heavy central coast. Spring potato harvest very active Kern district. Planting fall potatoes complete, Tulelake-Butte Valley district. Movement old crop potatoes continues. Strawberry harvest active much southern district production processors. Sweetpotato planting completed San Joaquin Valley. Harvest market tomatoes active desert, increasing southern San Joaquin Valley. Processing tomatoes showing color southern San Joaquin Valley. All areas good progress. Recent rains beneficial high summer grazing areas, quality dry grass foothill districts lowered. Grass fires continue problem many lower elevation areas. Grasshopper populations continue high foothill districts.

COLORADO: Rain fell up to 2.00 in. in the west to less than 0.25 in. in the east. Up to 13 in. of new snow fell in the high country, and some hail was reported in the northeast. Temperatures were 2 to 9° cooler than normal.

Crops have responded to warmer, drier weather in the east; but the southeast is short on

moisture. Winter wheat improved, 93% jointed, 64% headed; 1983, 93% jointed and 62% headed. Corn virtually all planted at 99% and emerged at 93%; average 96% and 86%, respectively. Sorghum above average of 60% planted with 74%, emerged, behind average of 42% with 35%. Sugarbeet thinning increased to 47% complete. First cutting alfalfa 17% finished. Potato planting moved ahead of normal, 98% for fall, 95% for summer. DRy bean planting 45% complete, same as last year.

FLORIDA: Cool beginning of week, followed by warming trend. By weekend, temperatures near or above normal. Mostly clear, dry conditions continued. A few showers returned to Atlantic Coast, and widely scattered thunderstorms to west coast, weekend. Most of State had no rain in June through the 10th.

Soil moisture adequate south, short elsewhere; critically short, some isolated areas. Corn fair to good but needs moisture most areas. Early crop tasseling; caterpillars active some areas. Peanut planting complete; crop making good progress. Tobacco fair to good condition. Soybean plantings slowed due to dry weather. Early beans up with good stand. Wheat harvest near completion. Haymaking very active with dry weather. Sugarcane making good growth. Peach harvest nearly completed; orchards opened for u-pick. Grazing conditions continued good to excellent south; generally fair to good elsewhere. Some pastures, however, were becoming dry; most areas need rain. cattle condition fair to good Panhandle, northern Peninsula; mostly good elsewhere. Citrus groves good condition. Rain needed; some irrigation on Sand Hills. New crop fruit progressing well. Some softening on fruit remaining for harvest. Harvest slowing, supplies running low. Warm days, mild nights prevailed vegetable growing area. Rainfall very light. Daytime highs mostly in 80's. Lows at night generally in 70's. Overall vegetable shipments declined 11% from previous week. Crops declining were cabbage, carrots, celery, Chinese cabbage, escarole, peppers, radishes, squash, tomatoes. Crops remaining steady were sweet corn, cucumbers, potatoes. Snap beans, eggplant, watermelons gained in supply. Watermelon cutting underway heavy producing north area. Supplies expected to continue into July. Sweet corn harvest has shifted from Everglades to Zellwood area. Tomato harvest winding down Ruskin area but gaining momentum Quincy area. Potato digging has been active but declining seasonally.

GEORGIA: Dry with warm days and mild nights. Rainfall limited to isolated light afternoon showers. Daily highs mostly 80's extreme north 90's elsewhere. Lows mostly 50's north and 60's central and south.

Soil moisture 18% adequate, 74% short, 8% very short. Average days suitable for fieldwork: 6.1. Main activities: Haying, planting, spraying for weeds and insect control. Corn 42% silked, 18% last year, average 46%; dough 9%, 2% last year, 16% average; condition 7% excellent, 54% good, 33% fair, 6% poor. Cotton 97% planted this year, 98% last year and average; 21% squaring, 22% last year, 46% average; conditon 53% good and 43% fair. Grain sorghum 70% planted, 61% last year, 63% average; condition 59% good and 37% fair. Peanuts 99% planted this year and last year, 100% average; 32% blooming, 29% last year, 44% average; 7% pegging, 2% last year, 11% average; conditon 9% excellent, 68% good, 21% fair. Soybeans 66% planted, 65% last year, 72% average; condition 4% excellent, 68% good, 28% fair. Tobacco 1% harvested, 4% average; condition 56% good, 39% fair. Watermelons 1% harvested, 2% average; condition 4% excellent, 56% good, 37% fair, 4% poor. Wheat 57% harvested, 52% last year, 64% average; condition 60% good, 34% fair. Peaches 28% harvested, 25% last year, 30% average; condition 13% excellent, 64% good, 23% fair. Apples 8% excellent, 60% good, 32% fair. Pastures 65% good, 31% fair. Cattle 77% good, 19% fair. Hogs 76% good, 20% fair.

HAWAII: Weather conditions continued favorable for crop development throughout the State. Morning cloudiness gave way to mostly sunny afternoons. Steady trade winds, and cloudy skies kept temperatures at, or below, normal levels. Rainfall was light and mainly restricted to the upper elevations.

Most crops in good condition under regular irrigation and spray programs. Supplies of Chinese cabbage expected to be lower in the coming weeks with volume at a moderate level. Head cabbage production will continue heavy. Lower head lettuce supplies anticipated, but volume will remain moderate. Papaya production forecast to increase soon. Current production on the same level as a year ago.

IDAHO: A long wave patter continued to dominate weather last week. Temperatures began to plummet on 4th and continue to drop through the remainder of the week. Temperatures averaged 16 to 20° below normal. Precipitation was well above normal, departures ranging from + 0.02 in. at Aberdeen to +1.53 in. at Grangeville.

Fieldwork stalled as 3.0 days were judged suitable for fieldwork. Spring wheat was 100% emerged, equal to last year and the average. Winter wheat headed reached 17% compared to 29% last year and 24% average. Potato planting climbed to 96% complete. Emergence reached 49% lagging behind the 47% last year and the 55% average. Ranges and pastures continued in good condition.

ILLINOIS: Temperatures 5 to 15° above normal. Precipitation 0 to 3.43 in.

Soil moisture 75% adequate, 18% surplus, 7% short. Days suitable for fieldwork: 5.75. Corn planted 97%, last year 94%, average 98%. Corn replanted 6%, last year 5%. Average height of all corn 6 in., last year 6 in., average 10 in. Average height of most advanced fields 11 in., last year 11 in., average 18 in. Corn condition 5% excellent, 68% good, 26% fair, 1% poor. Soybeans planted 82%, last year 77%, average 84%. Wheat condition 8% excellent, 55% good, 34% fair, 3% poor. Winter wheat 95% headed, last year 98%, average 99%; 55% filled, last year 72%, average 87%; turning yellow 3%, last year 8%, average 36%. Oats headed 22%, last year 24%, average 39%, filled 3%, last year 3%, average 12%. Oat condition 8% excellent, 67% good; 20% fair, 5% poor. Sorghum grain planted 65%, last year 35%, average 58%. Alfalfa condition 25% excellent, 68% good, 7% fair; first crop cut 56%, last year 51%, average 61%. Red clover condition 24% excellent, 69% good, 7% fair; crop cut 50%, last year 33%, average 42%. Pasture condition 30% excellent, 64% good, 6% fair.

INDIANA: Very warm and dry past 7 days. Temperatures 8 to 12° above normal except 4 to 7° above in southeast. Precipitation totals 0.50 in. northwest, 0.20 in. north central. Rest of State less than 0.10 in. Evaporation for week 2.00 to 2.50 in.

Fieldwork averaged 6.6 days. Corn 98% planted, 1983 93%, average 92%. Corn 85% emerged, 1983 80%, average 85%. Corn 5 in. tall, 1983 4 in., average 9 in. Soybeans 85% planted, 1983 75%,

average 75%. Soybeans 55% emerged, 1983 50%, aveage 65%. Spring cropland 99% tilled, 1983 99%. Wheat condition fair to good. Wheat 90% headed, 1983 90%, average 99%. Wheat 0% harvested, 1983 0%, average 0%. Alfalfa 60% cut first time, 1983 50%, average 30%. Clover hay 40% cut, 1983 35%, average 30%. Tobacco 30% set, 1983 35%, average 45%.

IOWA: Warm, wet, stormy week. Days suitable for fieldwork: 4.8. Corn acreage planted 100% complete; 100% last year; 98% normal. Corn acreage emerged 95% complete; 93% last year; 92% normal. Corn crop condition 12% excellent, 63% good, 20% fair, 5% poor to very poor. Slow growing and yellowing corn not uncommon. Corn cultivated 1st time 12% complete. Three percent of corn has been or will be replanted. Soybean acreage planted, 88% complete; 94% last year, 89% normal. Soybeans emerged, 65% complete; 54% last year; 65% normal. Soybeans crop condition 8% excellent, 63% good, 23% fair, and 6% poor to very poor. Winter wheat condition 10% excellent, 55% good, 26% fair, 9% poor to very poor. Oat condition 11% excellent, 56% good, 25% fair, 8% poor to very poor. First crop alfalfa hay cut 22% complete; 29% last year; 44% normal. Alfalfa and other hay condition 24% excellent, 56% good, 13% fair, and 7% poor to very poor. Pasture conditions 35% excellent, 49% good, 11% fair, 5% poor to very poor. Topsoil moisture conditions 39% surplus; 59% adequate; 2% short. Subsoil moisture conditions 37% surplus; 62% adequate; and 1% short. Livestock mostly good condition.

KANSAS: Precipitation averaged less than 0.10 in. southwest, 1.00 to 2.00 in. central and southeast and over 5.00 in. northeast, where local totals of 5.00 to over 10.00 in. fell. Temperatures averaged 57° northwest to 72 to 76° elsewhere. These were about normal northwest and 2 to 5° above normal elsewhere.

Wheat condition good to excellent except northwest and west central. Some moisture stress in southern and western counties. Moisture good elsewhere. Wheat 99% headed, 95% last year, 98% average. Approximately 99% corn planted, 96% last year, 95% avwrage. Sorghum 50% planted, 30% last year, 45% average. Soybeans 65% planted, 40% last year, 45% average. Light to modeate alfalfa weevil, greenbug and army cutworm infestation. Pasture and rangeland excellent. Days suitable for fieldwork: 5.5.

KENTUCKY: Temperatures averaged 5 to 10° above normal with highs near or above 90°. Precipitation sparse with amounts less than 0.50 in.

Days suitable for fieldowrk averaged 5.8. Soil moisture 40% short, 58% adequate and 2% surplus. Most crops need rain. Corn 94% planted, 79% last year, 93% average. Emerged corn fair to good, average height 6 in. Burley tobacco 62% set, 42% last year, 64% average condition good. Dark tobacco 54% set. Soybeans 43% planted, 20% year ago, 48% average. Wheat good. Barley harvest picking up. Pastures good. Good haying weather.

LOUISIANA: Rainfall amounts ranged from none to 7.73 in. Weekly temperatures were normal to 7° below normal. High 91°; low 54°.

Soil moisture adequate. Days suitable for fieldwork: 5.0. Activities included planting of crops; Hay, vegetable, and peach harvesting; and herbicide and fertilizer applications. Spring plowing 99% 1984, 96% 1983. Rice planted 99% 1984, 95% 1983, 98% average; emerged 98% 1984, 91% 1983, 96% average; headed 1% 1984, 0% 1983. Condition good. Corn silked 37% 1984, 19% 1983, 47% average; dough stage 4% 1984, 1% 1983. Condition good. Cotton planted 99% 1984, 98% 1983, 99% average; emerged 98% 1984, 89% 1983, 96% average; squared 2% 1984, 1% 1983, 8% average; condition fair to good. Soybeans planted 80% 1984, 56% 1983, 70% average; emerged 70% 1984, 46% 1983, 59% average; condition fair to good. Sorghum planted 98% 1984, 86% 1983, 80% average; emerged 96% 1984, 82% 1983, 75% average; condition fair to good. Sweetpotato planted 74% 1984, 63% 1983, 81% average; condition fair to good. Sugarcane condition fair. Winter wheat condition good; wheat harvested 86% 1984, 43% 1983, 69% average. Vegetable condition fair to good. Peaches harvested 7% 1984, 4% 1983. Hay first cutting 74% 1984, 55% 1983, 71% average. Pasture and livestock condition fair to good.

MARYLAND AND DELAWARE: Maryland: Temperatures averaged near normal to as much as 9° above normal. Precipitation averaged 0.10 in. and ranged from zero to 0.95 in.

Days suitable for fieldwork: 6.1. Soil moisture adequate. Small grains in good condition Wheat headed 100%; equal to 1983. Barley and rye 100% headed, 95 and 65% 1983. Wheat turning 45%, 20% 1983. Oats turned 70%, 5% 1983. Field corn 95% planted, equal to 1983 and average. Soybean planted 45% complete, 30% 1983, averge 50%. Tobacco transplanting 50%; 45% 1983, average 60%. Lima bean acreage 60% planted, 100% last year. Tomato planting 85% complete, 90% 1983. Sweet corn 100% planted, 95% 1983. Cucumbers, watermelon, and cantaloupes 95% planted, 1983 all 90%. First cutting alfalfa hay 65%, 60% last year. Other hay cut once 55%, last year 40%.

Delaware: High temperatures in the mid 90's.

Only scattered showers enabled farmers to work 6.5 days planting field crops and harvesting hay. Topsoil adequate, subsoil short to adequate. Small grains in mostly good condition. wheat headed 100%, 95% last year. Barley turned, 75%, 1005 in 1983. Rye 5% turned; 20% 1983. Wheat 10% turned, 20% 1983. Field corn 100% planted; 95% 1983 100% average. Soybeans 45% planted, equal to 1983, 55% average. Lima bean and sweet corn planting at 25% and 95% respectively behind 1983's 70's and 100% pace. Snap bean planting 75% and cantaloupe planting at 95% equal to last year. Cucumber, watermelon, and tomato planting at 95, 100, 90%; ahead of 90, 95, and 80% in 1983. Some early planted peas being harvested. First cuttings alfalfa hay 30% cut, 40% 1983. Other hay 25% cut equal to 1983.

MICHIGAN: Sweltering summer like conditions prevailed this week. Daily high temperatures ranging from the mid 80's to the low 90's was the norm. Rainfall over the upper Peninsula; the northwest lower Peninsula and the central lower Peninsula totaled over 1.00 in. Elsewhere precipication over the lower Peninsula was light.

Farmers commenced to re-enter fields as soils started to dry during the week. statewide 4.5 days suitable for fieldwork. Moisture supplies rated as adequate to surplus. Corn planting 97%, 90% last year, 95% average. Soybeans 40% complete, 55% last year, 79% average. Dry beans 15% seeded, 15% last year, 40% average. Winter whean 20% headed, 20% last year, 53% normally. First cutting hay 15% in, 10% ast year 19% average. Fruit and vegetable crops doing well.

MINNESOTA: The week was warm and very wet. Temperatures averaged 1 to 5° above normal. High: 90°, low 40°. Precipitation averaged 0.87 to 4.75 in. above normal. Greatest weekly total: 7.18 in. Many stations reported totals greater than 4.00 in.

Rain was welcome for relieving topsoil dryness, but amounts were excessive. Fields were damaged by erosion and standing water in many localities. Days suitable for fieldwork: 3.2. Topsoil moisture: 3% short, 56% adequate, 41% surplus. Planted: Soybeans 91%, 1983 88%, normal 91%; sunflowers 94%, 1983 90%, normal 91%; potatoes 96%, 1983 92%, normal 91%. Emerged: Field corn 93%, 1983 80%, normal 88%; soybeans 72%, 1983 47%, normal 64%; spring wheat 99%, 1983 96%, normal 97%; oats 99%, 1983 97%, normal 96%; barley 99%, 1983 96%, normal 90%. Jointing: Spring wheat 26%, 1983 19%, normal 27%; oats 23%, 1983 21%, normal 31%; barley 25%, 1983 20%, normal 27%.

MISSISSIPPI: Temperatures slightly above normal, extremes 52 and 95°. Greatest weekly rainfall 3.02 in.

Soil moisture short. Insect pressure heavy. Fieldwork 6.0 days suitable, 5.2 1983, 5.2 average. Cotton fair; 98% emerged, 86% 1983; 4% squaring, 1% 1983, 10% average. Soybeans fair to good; 69% planted, 54% 1983, 60% average; 42% emerged, 30% 1983. Rice fair; 92% emerged, 81% 1983, 91% average. Wheat good; 83% ripe, 54% 1983; 32% harvested, 10% 1983, 30% average. Corn fair to good; 12% silking, 19% average. Hay harvest 29% completed. Peaches good; 10% harvested, 0% 1983, 9% average. Sorghum fair; 89% planted, 73% 1983, 72% average. Sweetpotatoes 76% planted, 59% 1983, 72% average. Watermelons 95% planted; peanuts 94%. Pasture condition fair to good.

MISSOURI: Temperatures averaged 3° above normal. A stationary front late in the week dropped over 11.00 in. of rain in St. Joseph and over 4.00 in. in parts of the northeast prairie. Flash flooding occurred in parts of the northwest. Most of the southern half received less than 0.50 in. of precipiation.

Cotton 100% planted, 100% last year, 100% normal. Cotton squaring, 0%, 0% last year, 0% normal. Corn planted 95%, 93% last year and normal. Grain sorghum planted 80%, 60% last year, 64% normal. Winter wheat headed 96%, 93% last year, 100% normal. Wheat harvested 0%, 0% last year and normal. Soybeans planted 62%, 59% last year, 61% normal. Topsoil moisture supply 6% short, 74% 17% surplus. Wheat condition 4% poor, 50% fair, 45% good, 1% excellent. Pasture condition 0% poor, 19% fair, 76% good, 6% excellent. Alfalfa, first cutting 68% this year, 61% last year, 66% normal.

MONTANA: Some rain came at last to most of north central and northeast areas, 0.33 to 0.50 in. was the rule but a few lighter amounts noted in north central. As much as 1.50 in. reported from northeast. From 1.00 to 2.00 in. was received in southeast, while rest of State had about 0.25 to 0.75 in. Temperatures below normal, 5 to 8° below in west and southwest, 1 to 3° below rest of the States.

Soil moisture short except western third of State. Fieldwork: 5.4 days suitable. Small grains in good condition west, mostly fair elsewhere. Sugarbeets fair condition. Winter wheat 40% pre-boot, 55% boot, and 5% headed. Spring wheat and barley 90% emerged. Prospects for alfalfa and wild hay crops fair. Irrigation water supplies range fair to good, mostly fair in northeast and north central. About 80% of cattle and sheep moved to summer ranges.

NEBRASKA: Precipitation averaged 0.50 in. west, 1.25 in. east. Temperatures ranged from 6° below normal west to 2° above normal east.

Corn planted 100%, 100% last year, 98% average. Corn emerged 85%, 85% last year, 85% average. Sorghum planted 65%, 90% last year, 80% average. Sorghum emerged 35%, 55% last year, 60% average. Sobyeans planted 75%, 93% last year, 85% aveage. Soybeans emerged 40%, 55% last year, 55% average. Wheat headed 80%, 65% last year, 90% average. Winter wheat condition mostly fair. Alfalfa condition mostly good to fair. First cutting of alfalfa 30% harvested, 45% last year, 55% average. Topsoil and subsoil moisture mostly adequate. Days suitable for fieldwork: 4.8.

NEVADA: Low pressure system remained over area entire week. As a result, temperatures low averaging 5 to 8° below normal. Widespread precipitation occurred northern sections.

Most planted spring crops emerged except higher elevations and sections delayed by flooding. Second cutting alfalfa hay and green-chop alfalfa well along extreme south, none elsewhere. Planting 1984 potato crop completed main producing areas. Due to extreme dry weather extreme south, range deteriorating.

NEW ENGLAND: Temperatures averaged 7 to 11° above normal over the north; 9 to 13° above normal across the south. Shower and thunderstorm activity active across north, averaging over 1.00 in. at some locations.

Crop recovery from flooding slow. Maine potatoes 95% planted; 75% last year, 98% normal. Rhode Island potatoes 100% emerged, potato beetle infestation heavy. Field corn 75% planted, 20 points behind normal, on schedule with last year, replanting active wherever possible. First cut hay 15% harvested, wet fields limited entry. Excellent strawberry crop expected.

NEW JERSEY: Temperatures averaged 9° above normal. Extremes were 46° on the 5th and 100° on the 9th. Weekly rainfall averaged 0.02 in. north, 0.00 in. central and 0.33 in. south. The heaviest 24-hour total was 0.22 in. on the 4th to 5th. Estimated soil moisture, in percent of foeld capacity, averaged 79% north, 65% central and 60% south. Four inch soil temperatures averaged 71° north, 76° central and 75° south.

Fieldwork: 6.5 days suitable. Dry weather conditions permitted increased field activity. Corn and soybean planting nearing completion. Harvest of early vegetables increasing. Strawberry harvest increasing. Apple and peach sets varied. Hay cutting underway. pasture growth good.

NEW MEXICO: Mostly fair and hot. Irrigated grains good condition, dryland grains poor. Sorghum planting well along. Corn, cotton planting complete. Second cutting alfalfa underway. Onion digging active. Potatoes in bloom. Cattle, sheep good. Southern range poor, high country good. Cotton planted: 100%, last year 92%, average 98%. Cotton squaring 0%, last year 0%, average 0%.

NEW YORK: Temperatures above normal. Precipitation spotty and light.

Days suitable for fieldwork: 5.5. First cut alfalfa for hay 7% complete, 8% 1983, 5% average. Grass silage 6% complete, 10% 1983, 6% average. Hay condition good. Wheat condition fair to good. Fruit set good except for peaches and sweet cherries. Soil moisture adequate to surplus.

NORTH CAROLINA: Temperatures averaged 3 to 5° above normal east of mountains and 2° above

over mountains. Precipitation mostly non-existent except for widely scattered thundershowers.

Soil moisture: 1% very short, 23% short, 72% adequate, 4% surplus. Days suitable for fieldwork: 6.1. Condition: Corn 22% fair, 73% good, 5% excellent. Cotton 4% poor, 23% fair, 73% good. Peanuts 28% fair, 69% good, 3% excellent. Soybeans 1% poor, 23% fair, 70% good, 6% excellent. Tobacco 53% fair, 45% good, 2% excellent. Irish potatoes 17% fair, 83% good. Peaches 3% poor, 9% fair, 77% good, 11% excellent. Plantings: Flue cured tobacco 100%, 1983 100%, average 100%. Burley tobacco 69%, 1983 58%, average 81%. Sroghum 69%, 1983 64%, average 72%. Soybeans 63%, 1983 64%, average 67%. Sweetpotatoes 57%, 1983 65%, average 76%. Harvested: Wheat 17%, 1983 7%, average 12%; oats 19%, 1983 12%; average 20%; barley 24%, 1983 14%, average 25%. Rye 19%, 1983 15%, average 18%. Peaches 3%, 1983 3%, average 6%. Irish potatoes 4%, 1983 4%, average 5%. Major farm activities: Planting soybeans, transplanting sweetpotatoes, cutting hay, harvesting small grains, cultivating crops, applying herbicides, and general farm maintenance.

NORTH DAKOTA: Week generally cool and wet. Moisture above normal all districts with northeastern and east central averaging about 3.00 in. Moisture ranged from 0.47 in. northwest to 4.88 in. east central. Divisional temperatures below normal except in east and southeastern divisions. High temperatures for week was 84° and low 32°.

Drought no longer a concern as rain improved soil moisture and crop conditions statewide, except extreme northwest area. Some flooding of low-lying fields in Red River Valley. Development of small grains at average pace. Percent of crop at joint stage or beyond compared to last year and average: Spring wheat 25, 19, 27; durum 18, 12, 18; oats 24, 22, 27; barley 27, 21, 29. Late season crop planting nearing completion. Planting this year compared to last year and average: Corn 95 (revised from 99 last week), 96, 88; flax 90, 93, 80; sunflower 84, 92, 83; dry edible beans 90, 97, 94. Soybean and potato plantings complete.

OHIO: Very warm and dry. Temperatures averaged 5 to 12° above normal. Maximums averaged mid to upper 80's, minimums upp 50's to mid 60's. Precipitation light; mainly in northern third, little or none central and south. Humidity well below normal. Evaporative losses 2.0 to 2.5 in. Corn 95% planted, 90% 1983, 90% average; 75% emerged, 65% 1983. Soybeans 75% planted, 70% 1983, 75% average; 45% emerged, 40% 1983. Winter wheat 80% headed, 85% 1983, 90% average. Crop conditions fair to good. Crop emergence difficult in fast drying crusted soils. Earliest wheat turning yellow. Strawberry, cabbage harvests started. Tobacco 30% transplanted, 30% 1983, 35% average. Fieldwork: 6.0 days suitable. Soil moisture 14% short, 78% adequate, 8% surplus.

OKLAHOMA: Temperatures averaged 2 to 4° above normal. Precipitation ranged 0.08 in. Panhandle to 1.11 in. south central.

Weekend showers prompted wheat growth development north. Harvesting operations interrupted by light rainfall southwest. High protein levels reported on early harvested wheat southwest. Armyworm activity declining north. Weeds continue major problem north central. Wheat and pastures good to fair, livestock good condition. Wheat headed: 100%; 99% 1983, 100% average. Wheat harvested: 5%, 1% 1983, 5% average. Sorghum planted: 85%, 35% 1983, 60% average. Cotton planted: 40%, 50% 1983, 55% average. Cotton squaring: 0%, 0% 1983, 0% average.

OREGON: A dry weekend gave way to more rain the rest of week. Precipitation: 2.00 in. at coast, 1.70 in. in Willamette Valley, up to 1.00 in. for rest of State. temperatures: 3° cooler than normal in west, 5 to 9° cooler than normal in eastern areas.

Winter wheat condition good to excellent in east; mostly good in west. Cool, wet weather disease problems continue. Crop 76% headed, 90% in 1983, 84% average;none harvested. Hay cutting continuing in west, some rain damage. First hay cut of Columbia Basin being put up. At high elevations of central and northeastern areas haying 2 weeks behind. Timely rains in east have improved spring grain outlook. Grass seed finished heading out in Willamette Valley. Soil moisture: adequate in east, surplus in west. Hood River County pears; pest control, light set on Bartletts, average set on Anjous. Wasco County cherries look good. Union County cherry trees show some winter damage. Willamette Valley strawberry harvest to begin next week. Boysenberries and marionberries continue to bloom. Cherry development about 10 days behind normal, fruit set lighter than normal. Peaches and prunes also have light sets. Cranberry crop likely to be smaller than last year. In southwest pear and apple scab spraying, fruit set lighter than normal for both crops. Sweet corn, broccoli and snap beans still being planted. All vegetable crops growing slowly in all growing areas. Klamath County potatoes emerging. Onion development behind normal. Livestock condition mostly good. Range and pasture conditions mostly good. Wetness has slowed growth in west. Cold has slowed growth at high elevations. Warmth, good moisture provided excellent growth at low elevations. Both lamb and calf weights behind last year.

PENNSYLVANIA: The Bermuda high which sat over the east coast brought the State hot and humid weather but little rain. By weeks end, several locations had highs in the 90's. Many places reveived less than 0.10 in. of rain and the State average was only 0.30 in.

Days suitable: 5.0. Moisture surplus to adequate. Activities: Plowing, spraying; mowing; baling hay; planting corn, green beans, tomatoes, green peppers, field corn, soybeans. Tobacco transplanting 30% complete. Soybeans 43% planted, last year 50%. Corn 76% planted, last year 83%, average 87%. Barley 86% headed and 9% turning yellow, last year 65% headed and 29% turning yellow. Wheat 65% headed, last year 68% headed. First cut alfalfa 25% complete, last year 29% complete. First cut clo-tim 13% complete, last year 7% complete. Quality of hay made good to fair. Feed from pastures mostly average to above average.

PUERTO RICO: Island average rainfall 2.12 in. or 0.39 in. above normal. Highest weekly total 8.10 in. Highest 24-hour total 3.80 in. Temperatures averaged about 81 to 80° on coasts and 77 to 75° interior divisions. Mean station temperature ranged from 82.6 to 68.1°. Extremes 94 and 59°.

SOUTH CAROLINA: Weather was sunny and hot. Temperatures ranged from 4 to 8° above normal throughout State. High temperatures, sunny skies and low humidities dried out soils rapdily. Week was practically rainless. Few showers reported along south coast on 6th.

Soil moisture short to adequate. Days available for fieldwork: 6.0. Corn condition

fair to good. Cotton condition generally good but progressing slowly; 4% squaring, 27% last year, 31% average. Soybeans planting extremely active: 51% planted, 59% last year, 69% average. Wheat condition good; 35% harvested, 9% last year, 37% average; 87% ripe, 59% last year, 89% average. Tobacco condition fair; continues premature blooming and budworm problems. Peach harvest continues to progress: 4% harvested, 6% last year, 8% harvest. Tomato harvest beginning, hay harvest still active but about over.

SOUTH DAKOTA: Average temperatures were 3 above to 5° below normal. Extremes: 88 and 32°. Outside the Black Hills, the low was 34°. Up to 4.81 in. of rain fell over the State during the week.

Days suitable for fieldwork: 3.0. Range and pastures in good condition. Corn planted 87%, 1983 95%, average 97%. Spring wheat emerged 100%, 1983 100%, average 100%. Sorghum planted 48%, 1983 69%, average 71%. Winter wheat headed 36%, 1983 49%, average 65%. Winter wheat harvested 0%, 1983 0%, average 0%.

TENNESSEE: A high pressure system dominated the weather for most of the week. Temperatures averaged near normal and precipitation was scarce. Rainfall amounts averaging 0.50 in. fell in he west but only isolated showers were received elsewhere.

Farmers averaged 6.0 days of fieldwork. Soil moisture: 1% surplus, 49% adequate, 50% short. Corn planted: 95%, 1983 85%, average 92%. Cotton planted: 100%, 1983 95%, average 95%. Soybeans planted: 53%, 1983 23%, average 55%. Sorghum planted: 63%. Tobacco set: 73%, 1983 65%, average 82%. Wheat turning yellow: 82%, 1983 79%, average 86%. Wheat ripe; 10%, 1983 4%, average 29%. Alfalfa hay 1st cutting: 98%, 1983 83%, average 92%. Pastures and livestock in mostly good condition.

TEXAS: Moist Gulf air first half week, widespread showers, thunderstorms. Rainfall generally less than 1.00 in.; Midland had 1.93 on 4th. High in 80's, 90's with rain-cooled 70's East Texas on 6th, 80's, 90's remainder of week. Dry, stable air State, few sprinkles bought less than 0.10 in. rain to coast. Temperatures averaged 3 to 6° above normal. Precipitation near normal except North Texas, where rains was one-half and two-thirds of usual.

Crops: Moisture continue improve scattered showers covered State. Recent showers planted crops begin emerging High Plains. Planting continues dryland crops Plains. Remainder State, rainy conditions helped crops good growth. Additional rainfall needed to insure proper development. Sorghum planting gain momentum Plains, better soil moisture. Planted fields benefitted showers, good growth. Across State, fields continue to head Blacklands. Soil moisture short Cross-Timbers; producers begin plant dryland. Central Texas fields continue turn color, general rains aided development. Fields Rio Grande Valley fair as harvest nears. Corn statewide benefit from recent moisture; yields for dryland corn expected low because of length of dry period. Fields Plans good stands, some dry planting. Central Texas corn out or roasting stage, moving to dent stage. Statewide corn conditions rated at 66% of normal compared with 75% a year ago. Small grain harvest gained momentum, spread to southern High Plains. Hot weather rapidly matured grain, harvest begin remainder High Plains soon. Harvest wound down remainder State, better yields northern Blackland region. Current statewide wheat condition rated 57% of normal compared with 83% a year ago. Current reported conditions 5% excellent; 21% good; 45% fair; 28% poor; and 1% failure. Cotton planting continues Plains regions. Planted fields up in some areas. Scattered showers aided dryland fields; additional rainfall needed. Low Plains, some fields light hail damage. Little planting activity due weather conditions Blacklands. East Texas, Central Texas, cotton making good growth, in various stages of development; squaring to blooming. Rice fields good progress. Early fields begun heading. Peanut planting picked up statewide, adequate soil moisture. Some fields up, look good currently. Peach harvest spread statewide, exception Plains. Good fruit reported, sizes smaller. Pecan expectations fair this season. Nut development slow, sizes hampered by dry conditions. Heavy infestations nut casebearers in untreated groves.

Cotton planted 78% 1984, 75% 1983, 86% average; cotton squaring 11% 1984, 8% 1983, 14% average; cotton setting bolls 6% 1984, 3% 1983, 8% average. Rice headed 0% 1984, 2% 1983, 2% average. Sorghum planted 85% 1984, 83% 1983, 88% average; sorghum headed 42% 1984, 32% 1983, 38% average; sorghum turning color 19% 1984, 8% 1983, 12% average; sorghum mature 2% 1984, 0% 1983, 1% average. Wheat headed 100% 1984, 99% 1983, 99% average; wheat turning color 84% 1984, 67% 1983, 78% average; wheat harvested for grain 39% 1984, 15% 1983, 16% average. Oats harvested for grain 38% 1984, 41% 1983, 41% average. Peanuts planted 59% 1984, 36% 1983, 45% average. Soybeans planted 73% 1984, 52% 1983, 50% average. Sunflowers planted 70% 1984, 66% 1983, 55% average.

Commercial vegetables: Rio Grande Valley harvest continues peppers, tomatoes, onions. Good volumes reported. San Antonio-Winter Garden, harvest continues tomatoes. Onion harvest peaked, now winding down. Irrigated watermelons being harvested. Trans-Pecos, onion harvest continues. Good growth cabbage, cantaloupe reported. East Texas, producers continue pick tomatoes. Cultivating watermelons continues. High Plains producers irrigate onions, carrots, celery, potatoes, despite recent rains. Good growth reported.

Range and livestock: Ranges beginning green up statewide. Drought stricken West Texas continues receive scattered rain, marketing herbs slowed. Producers buying hay experiencing high prices. Cutting hay crops continue. Livestock conditions fair. Treatment for horn flies.

UTAH: Recurring periods of shower and thunderstorm activity left heavy precipitation in north central and northern mountains divisions; moderate to heavy in western, south central and southeast divisions; and light to moderate in Dixie division. Maximum temperatures averaged 11° below normal in northeast 2/3 State and 5 below in southwest 1/3, ranging 2 below to 15 below. Minimums averaged 3° below normal in northeast 2/3 State and 1° above in southwest 1/3, ranging 8 below to 5 above.

Only 3.9 days suitable for fieldwork. Variation from 1.00 in. in the north to 7.00 in. in the south. Soil moisture short to adequate with surplus in the north and shortages in the south. Winter wheat well along, 60% heading. Spring wheat 6% in the boot, barley 22%. Corn 86% planted, 70% emerged. Potatoes 98% planted. Snap beans 71%. Commercial tomato planting virtually complete, some delays because of rains. First cutting alfalfa 10%. Livestock moving onto summer ranges.

VIRGINIA: Increasingly hot and mainly dry period. Daytime highs in 80's gave way to readings in 90's. All areas averaged few degrees

above normal. Rain limited to widely scattered last afternoon and evening thunderstorms--mainly in north, east and southeast. Highest amount reported was 0.91 in. in east. Most locations received no rainfall.

Topsoil moisture fell to 38% short and 62% adequate with most crops in good to excellent condition. There were 5.6 days suitable for fieldwork. Corn planting reached 96% complete, 95% last year, 96% average. Corn stands in good to excellent condition. Soybean planting 48% complete, 50% last year, 56% average. Soybean stands in good to excellent condition. Flue-cured tobacco transplanting 98% complete, 93% last year, 96% average. Fire-cured tobacco transplanting 80% complete, 82% last year, 85% average. Burley tobacco transplanting lagging behind, 40% complete, 65% last year, 83% average. Sun-cured transplanting 84% complete, 84% last year, 86% average. Tobacco condition good to excellent. Fruit, hay and peanut crops also in good to excellent condition. Cereal leaf beetles and army worms being sprayed for in isolated parts of State. Small grain harvest becoming more active. Hay crop yields continue to be above normal in most areas. Livestock in good condition.

WASHINGTON: Unseasonable westerly jet stream across eastern Pacific steered weather disturbances towards Pacific Northwest this week. These frontal systems produced significant rainfall both east and west of Cascades. The State was again on cold side of the jet stream which kept temperatures below normal statewide. Weather most areas of State remains cooler and wetter than normal.

Adverse conditions delaying field crop planting and spraying in extreme northeastern counties. Hay cutting slow most areas and curing conditions poor. Stripe and leaf rust reported to be problem many areas. Summerfallow being fertilized for next year's crop. Cover spray application apples and cherries continues. Hand thinning begun in apples. Grant County, fruit set in cherries good and picking just beginning. Chelan County, cherry harvest estimated to be about a week behind normal. Sweet corn being planted but progress behind schedule. Cauliflower and broccoli harvests will be later than normal. Skagit County, green peas starting to bloom and harvest should begin mid-July. Asparagus harvest continues. Some cucumbers will be harvested Yakima County next week. Ranges and pastures in good condition in most areas. Western areas, green chopping and silage making continue and behind schedule. Grasses beginning to head and consequently, little will be cut for hay. Winter wheat headed 37% 1984, 95% 1983, 73% average. Winter wheat harvested 0% 1984, 0% 1983, 0% average.

WEST VIRGINIA: Temperatures averaged 6° above normal except for the southern section where temperatures averaged 9° above normal. High of 100° reported in Martinsburg, low 33° at Canaan Valley. Precipitation well below normal. Flat Top received the most rainfall of 0.60 in., many areas reported no precipitation.

Soil moisture short to adequate. Days suitable for fieldwork 5.7. Main activities: Haying, setting tobacco and gardening. Feed supplies adequate.

WISCONSIN: The week was typified by scattered showers and occasionally severe thunderstorms with most of the State receiving about 2.00 in. Early on the 8th tornadoes touched down in south. High temperatures generally averaged in the 80's with high humidities, low temperatures rose from the 40's and 50's early in the week to lows in the 60's and 70's by midweek.

There were 3.2 days suitable for fieldwork, most of them coming in the first part of the week. Soil moisture was estimated at 5% short, 75% adequate and 20% surplus after the rains. Corn was 95% planted over the 86% of last year and equal to the average of 95%. Soybeans were 79% planted compared to 66% last year and 87% average. First cutting of hay had commenced and was 13% complete compared to 12% last year and an average of 18%.

WYOMING: Temperatures below normal. Highs mostly 70's and lows in 30's. Precipitation generally below normal with few stations in northeast and southeast above normal.

Topsoil moisture adequate 77% State. Days suitable for fieldwork: 5.0. Most spring wheat, oats, barley, sugarbeets planted. Spring wheat, oats; emerged, 80%, barley, sugarbeets; emerged, 90%, 95% respectively. Corn planted, 95%; emerged, 65%. Potatoes planted, 95% emerged, 40%. Dry beans planted, 80%; emerged, 45%. Winter wheat fair to mostly good condition. Light to moderate water damage reported to some crops. Cattle, calves mostly fair condition. Sheep, lambs mostly good, some poor condition. Calf, lamb losses light to normal most areas. Livestock moved to summer ranges; cattle, calves, 55%; sheep, lambs, 50%. Ranges, pastures mostly good condition.

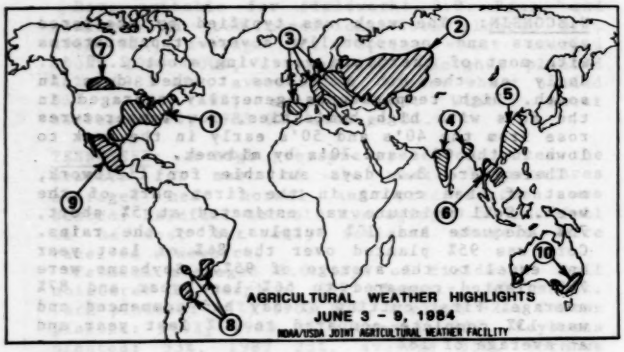
(continued from p. 11)
harvested carrots, onions, and melons in increasing volumes.

Warm weather promoted vegetable development in California. Growers planted and harvested a wide variety of crops. Strawberry picking was active with much of the southern district production going to processors. Processing tomatoes began showing color in the southern San Joaquin Valley.

PASTURES AND LIVESTOCK: Pastures and ranges were in mostly good condition. However, persistent dry weather caused poor range conditions from California into western Texas. Livestock were in mostly good condition, except in the dry areas of the Southwest where they were rated mostly fair. Herds continued to move to summer ranges in the higher elevations in the West.

International Weather and Crop Summary

June 3 to 9



HIGHLIGHTS:

1. UNITED STATES ... A heat wave over the Northeast accelerates crop growth, while unusual cold blankets the Northwest, producing snow in the central Rockies. Heavy rains lodge some small grains and erode fields in the western Corn Belt. Rains help West Texas dryland cotton.

2. USSR ... Light showers cover crop areas in east European USSR, but more rain is needed for crop growth. Wet weather benefits crops in the central Ukraine, western Black Soils, and the western portion of the Central Region. In the New Lands, showers continue to moisten topsoils, favoring emergence and early spring wheat growth.

3. EUROPE ... Wet weather continues in West Germany and northern Italy lodging crops and creating unfavorable conditions for early corn growth. Showers and unseasonably low temperatures are unfavorable for maturing grains in Spain. Showers continue to benefit crops in eastern Europe.

4. SOUTH ASIA ... Monsoon showers spread as far north as Myaharashtra, southern Gujarat, and Madhya Pradesh, providing early season moisture for summer crop planting. Heavy rain continues over Bangladesh and vicinity aggravating flood conditions in newly sown rice areas.

5. EASTERN ASIA ... Locally heavy rain falls along the Yangtze Valley, providing abundant moisture for corn, cotton, and soybeans, but delaying the harvest of winter wheat. Adequate moisture is available for crops in southern China. Winter wheat is maturing in southern portions of the North China Plain.

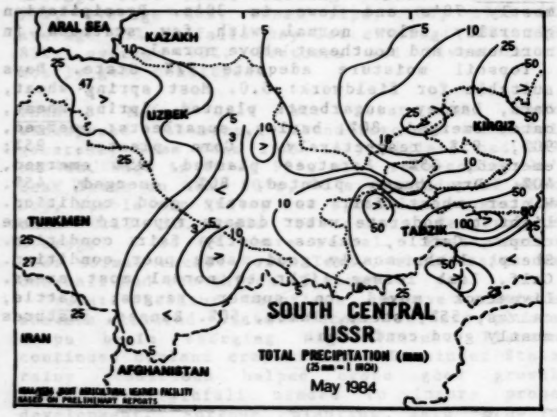
6. SOUTHEAST ASIA ... Substantial rains fall over much of Thailand aiding early growth of corn and rice. More rain would improve crop moisture conditions in central Thailand.

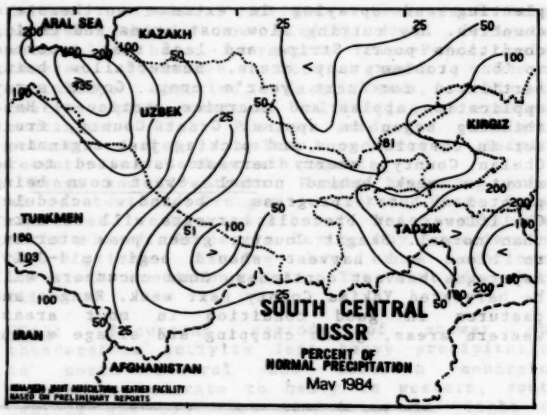
7. CANADA ... Rain across the Prairie Provinces greatly benefits newly emerging crops in the south, but keeps fields too wet to complete planting in the north.

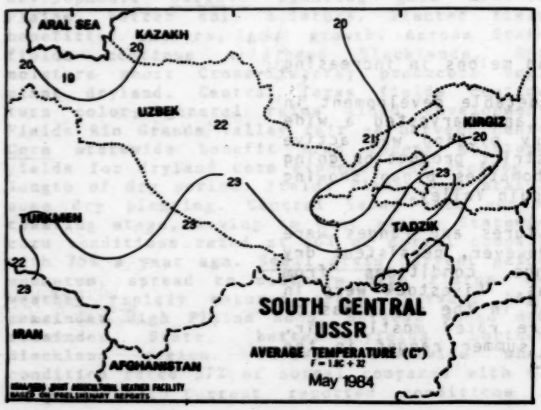
8. SOUTH AMERICA ... Heavy rain falls over Rio Grande do Sul delaying wheat planting; dry weather aids Brazil's coffee harvest. Mostly dry weather in Argentina aids late soybean harvesting and wheat planting.

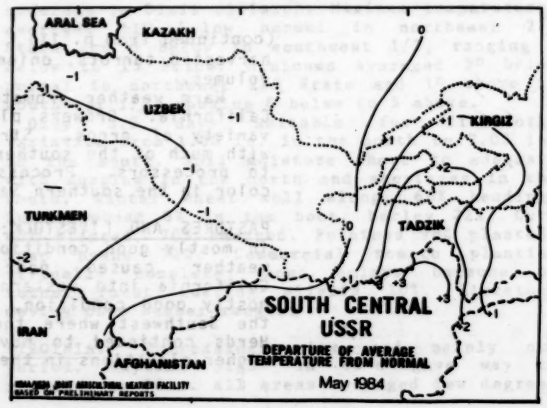
9. MEXICO ... Showers dampen the southern Plateau corn belt, benefiting young corn and beans.

10. AUSTRALIA ... Persistent dryness in eastern and southern wheat areas hampers planting and emergence of winter wheat. Frequent showers in the west are providing adequate moisture for early crop growth.

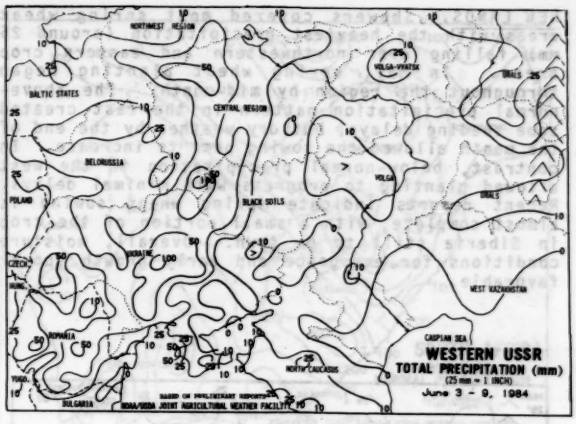


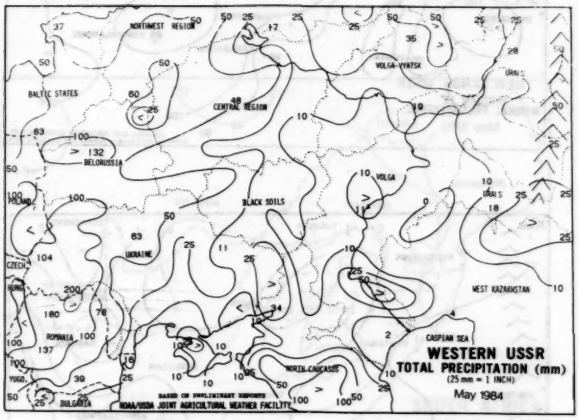


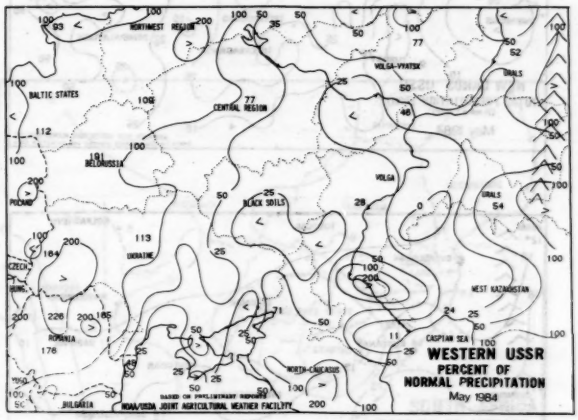


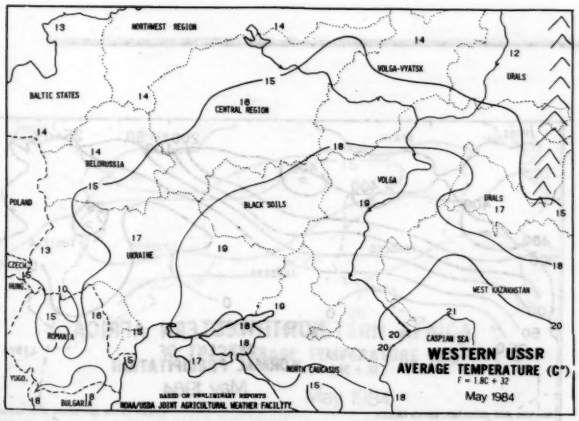


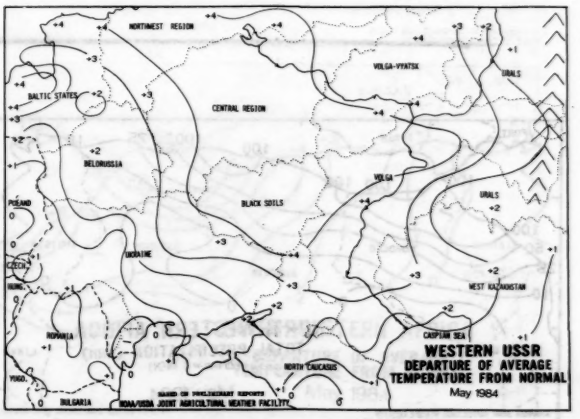
WESTERN USSR...The ridge of high pressure over the Volga Valley which kept most eastern crop areas dry during May weakened early in the week, allowing storm systems to advance eastward. As a result, light showers, around 10 mm, covered the Black Soils and the Volga Valley. Widespread showers continued May's above-normal precipitation pattern in the Baltics, Belorussia, and the western Ukraine. Heavy precipitation, around 50 mm, fell in a narrow band which stretched northward from the central Ukraine, through the western Black Soils into the Central Region. The moisture reversed May's below-normal precipitation pattern in these areas, improving conditions for crop growth. During May, unseasonably high temperatures accelerated crop growth particularly in the east. Reports indicate winter wheat is in the heading stage in the north and grain filling in the south, about 2-3 weeks ahead of normal.


WESTERN USSR
TOTAL PRECIPITATION (mm)
(25 mm = 1 INCH)
June 3 - 9, 1984
BASED ON PRELIMINARY REPORTS
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

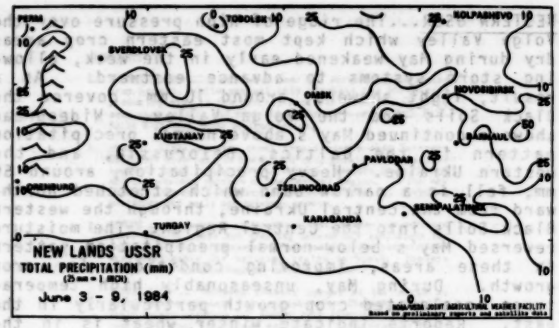


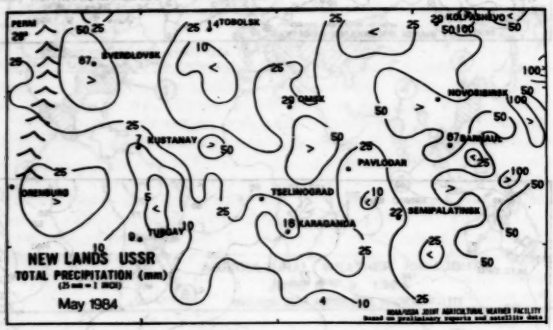


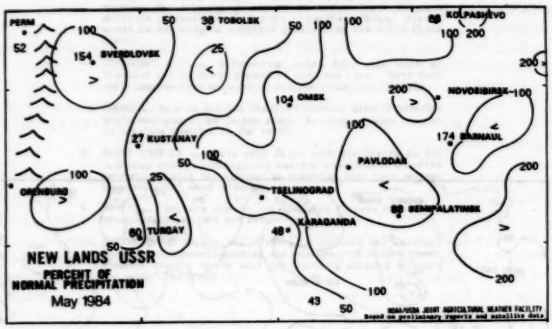


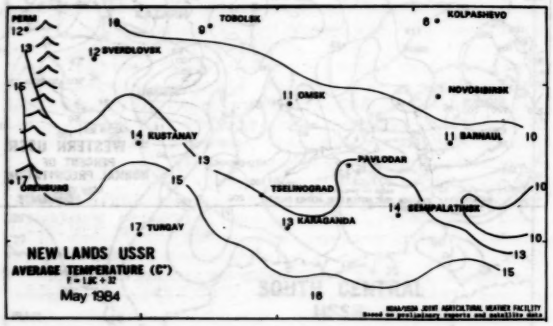


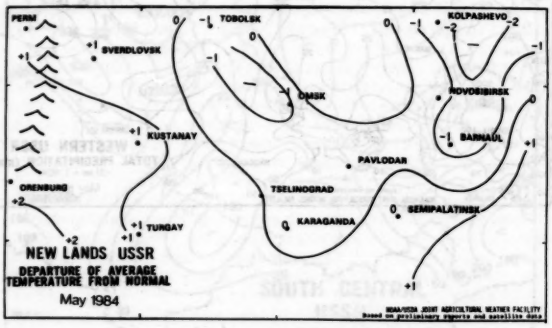
NEW LANDS...Showers covered most spring wheat areas with the heaviest precipitation (around 25 mm) falling over northwestern and eastern crop areas. In May, spring wheat planting began throughout the region by mid-month. The above-normal precipitation pattern in the east created some seeding delays, but dry weather by the end of the month allowed the sowing pace to increase. In contrast, below-normal precipitation in the west allowed planting to progress with minimal delays. Recent reports indicate spring wheat sowing is almost complete, with a small portion of the crop in Siberia still to be sown. Overall, moisture conditions for emergence and early growth appear favorable.

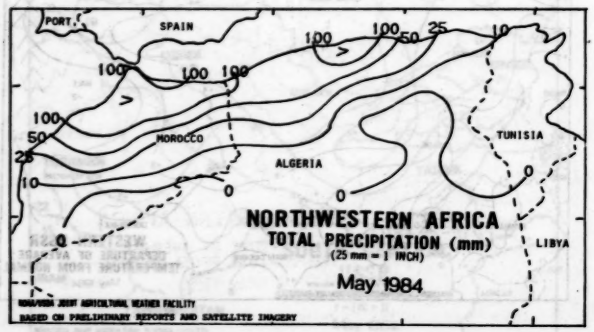


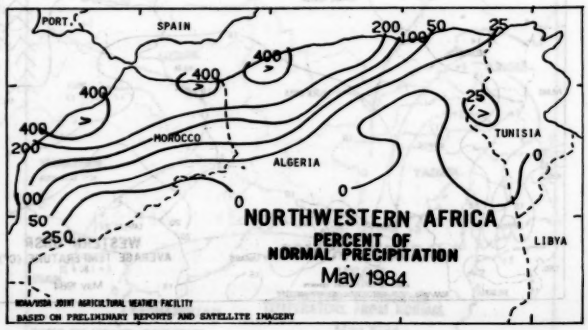


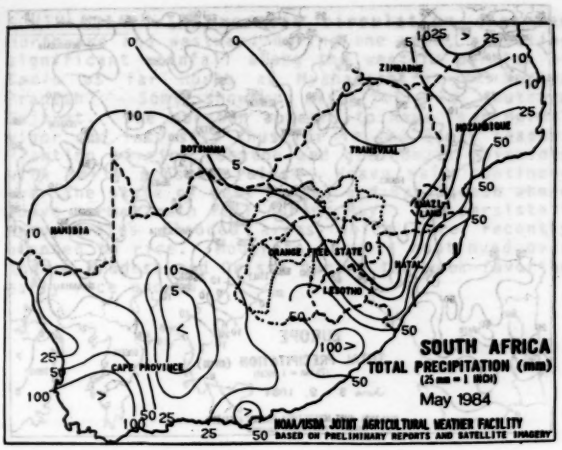


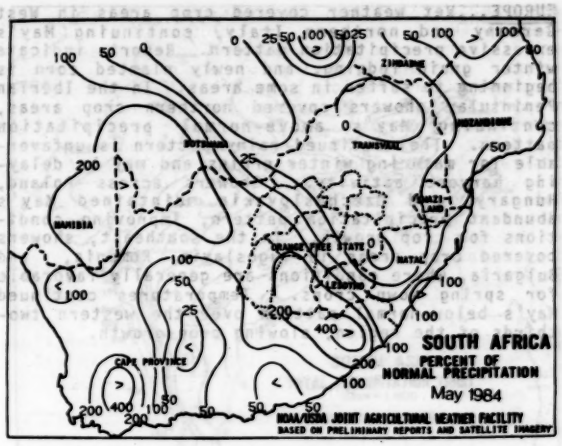


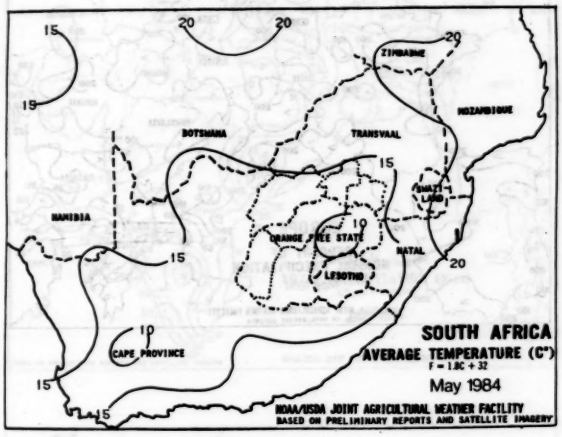


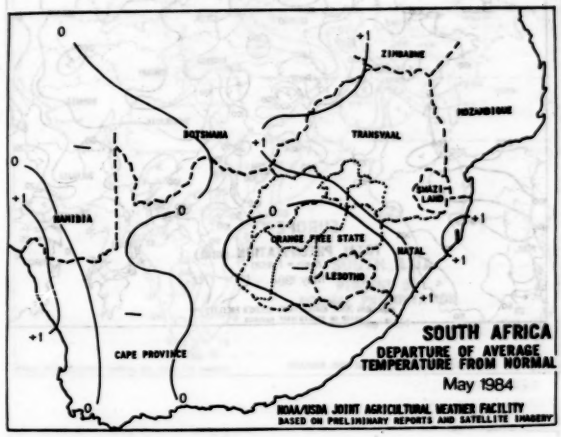


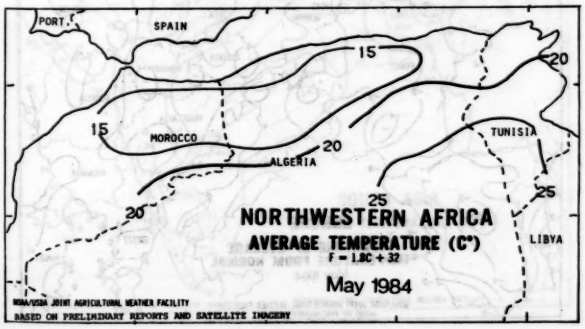


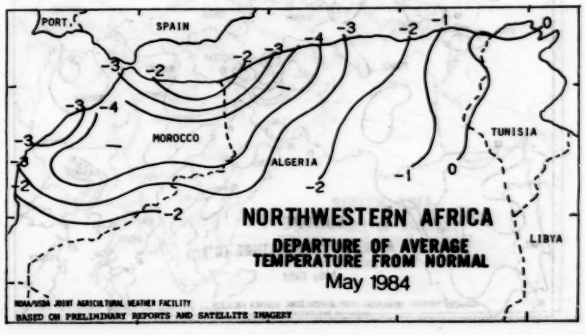

SOUTH AFRICA
TOTAL PRECIPITATION (mm)
(25 mm = 1 INCH)
May 1984
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY
ZIMBABWE
MOZAMBIQUE
BOTSWANA
TRANSVAAL
NAMIBIA
SWAZI LAND
ORANGE FREE STATE
NATAL
LESOTHO
CAPE PROVINCE


SOUTH AFRICA
PERCENT OF
NORMAL PRECIPITATION
May 1984
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY
ZIMBABWE
MOZAMBIQUE
BOTSWANA
TRANSVAAL
NAMIBIA
SWAZI LAND
ORANGE FREE STATE
NATAL
LESOTHO
CAPE PROVINCE

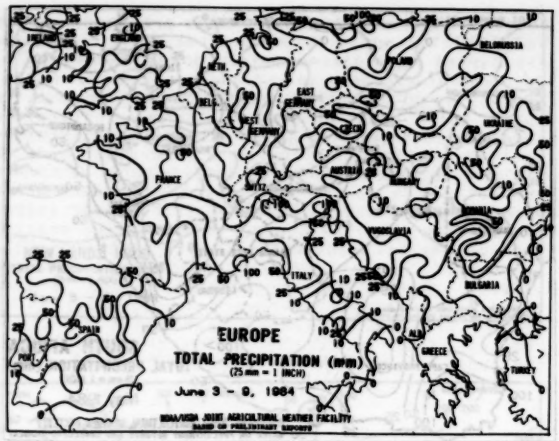

SOUTH AFRICA
AVERAGE TEMPERATURE (C°)
F = 1.8C + 32
May 1984
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY
ZIMBABWE
MOZAMBIQUE
BOTSWANA
TRANSVAAL
NAMIBIA
SWAZI LAND
ORANGE FREE STATE
NATAL
LESOTHO
CAPE PROVINCE

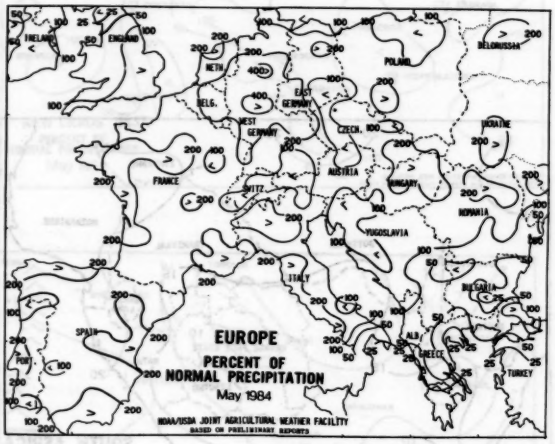

SOUTH AFRICA
DEPARTURE OF AVERAGE
TEMPERATURE FROM NORMAL
May 1984
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY
ZIMBABWE
MOZAMBIQUE
BOTSWANA
TRANSVAAL
NAMIBIA
SWAZI LAND
ORANGE FREE STATE
NATAL
LESOTHO
CAPE PROVINCE

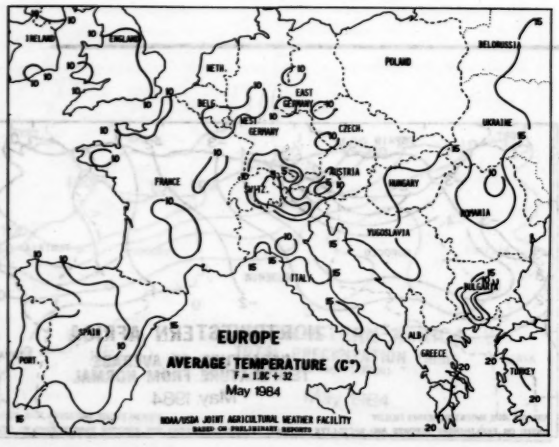

NORTHWESTERN AFRICA
AVERAGE TEMPERATURE (C°)
F = 1.8C + 32
May 1984
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY
PORT.
SPAIN
MOROCCO
ALGERIA
TUNISIA
LIBYA

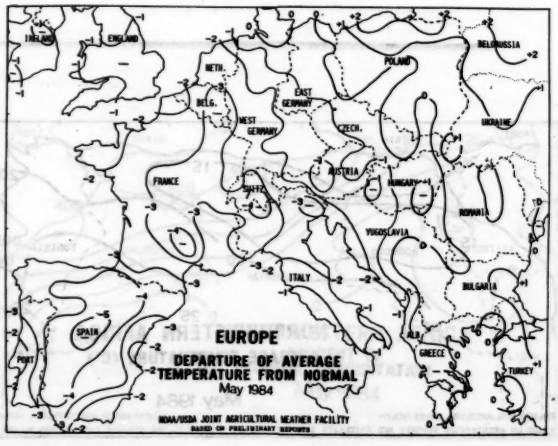

NORTHWESTERN AFRICA
DEPARTURE OF AVERAGE
TEMPERATURE FROM NORMAL
May 1984
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY
PORT.
SPAIN
MOROCCO
ALGERIA
TUNISIA
LIBYA

EUROPE...Wet weather covered crop areas in West Germany and northern Italy, continuing May's excessive precipitation pattern. Reports indicate winter grain lodging, and newly planted corn is beginning to suffer in some areas. In the Iberian Peninsula, showers covered northern crop areas, continuing May's above-normal precipitation pattern. The continued rainy pattern is unfavorable for maturing winter grains and may be delaying harvest activity. Showers across Poland, Hungary, and Czechoslovakia maintained May's abundant precipitation pattern, improving conditions for crop growth. In the southeast, showers covered crop areas in Yugoslavia, Romania, and Bulgaria, where conditions are generally favorable for spring sown crops. Temperatures continued May's below-normal pattern over the western two-thirds of the region, slowing crop growth.

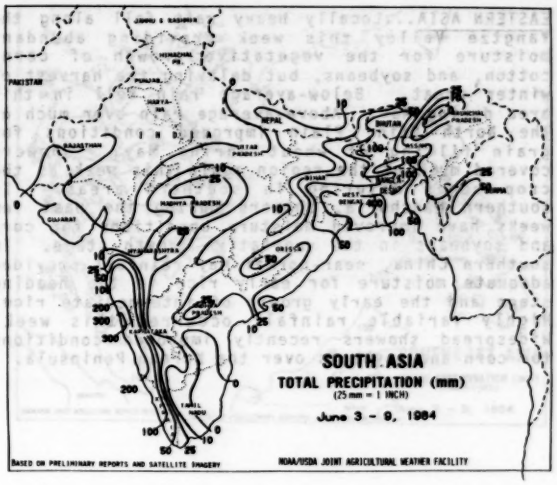


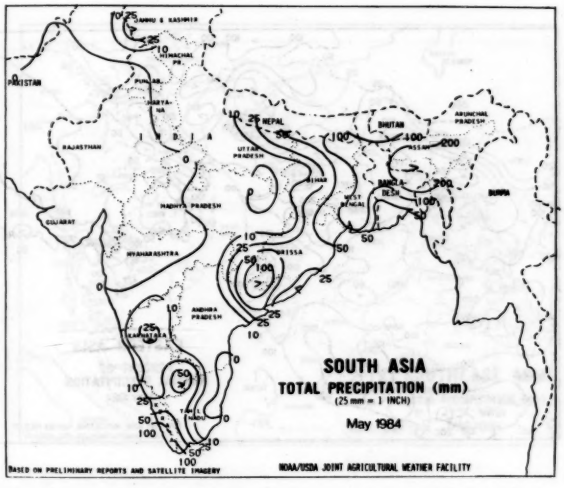


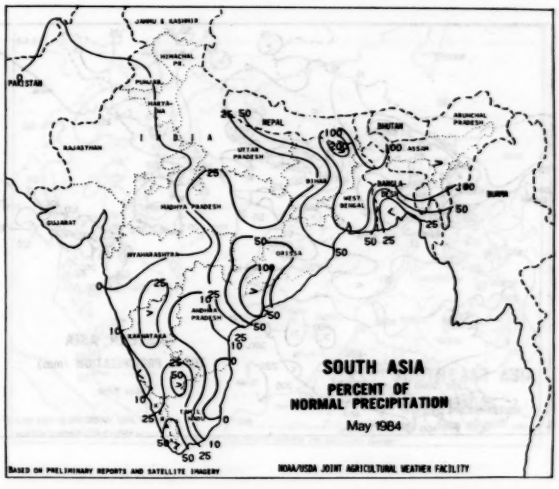


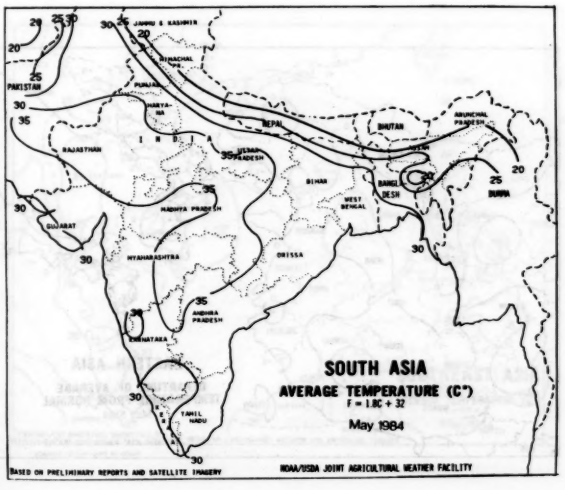


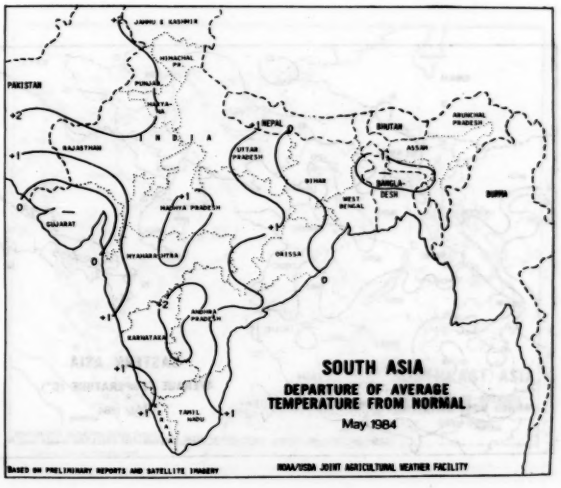
SOUTH ASIA...The monsoon circulation expanded northward and westward during the week, producing significant rainfall along the western portion of India as far north as Myaharashtra and Madhya Pradesh. Some showers also fell in southern Gujarat. The monsoon appears to have near normal vigor and intensity thus far in the early season. Planting of rice, cotton and groundnuts coincides with early monsoon rains. Heavy rain continued over the state of West Bengal and Bangladesh where above normal rain fell during May. The persistent heavy rains flooded areas which were recently planted to rice. Moderate showers continued over Andhra Pradesh and Orissa during the week favoring early rice growth.


SOUTH ASIA
TOTAL PRECIPITATION (mm)
(25 mm = 1 INCH)
June 3 - 9, 1984
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

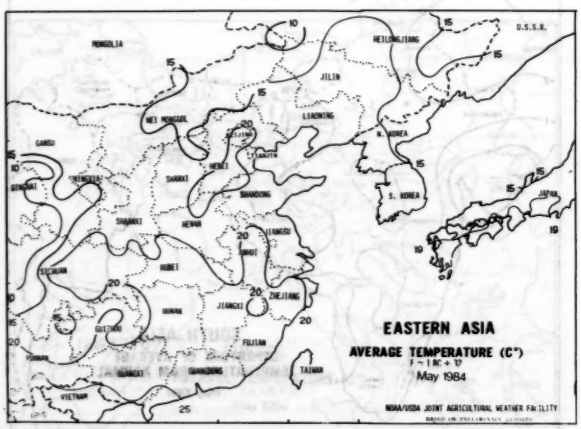

SOUTH ASIA
TOTAL PRECIPITATION (mm)
(25 mm = 1 INCH)
May 1984
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

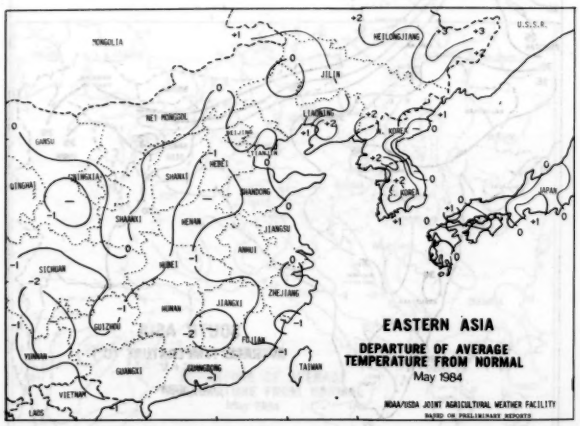



SOUTH ASIA
AVERAGE TEMPERATURE (C°)
F = 1.8C + 32
May 1984
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

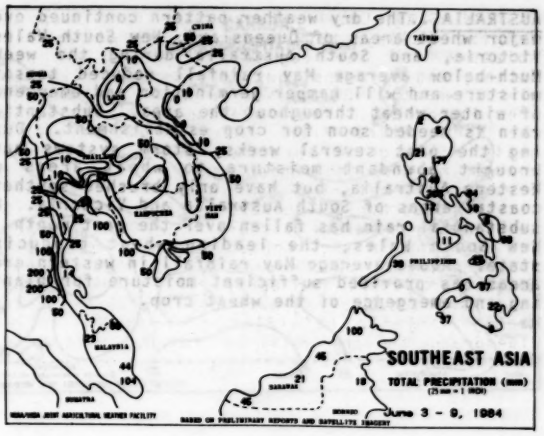


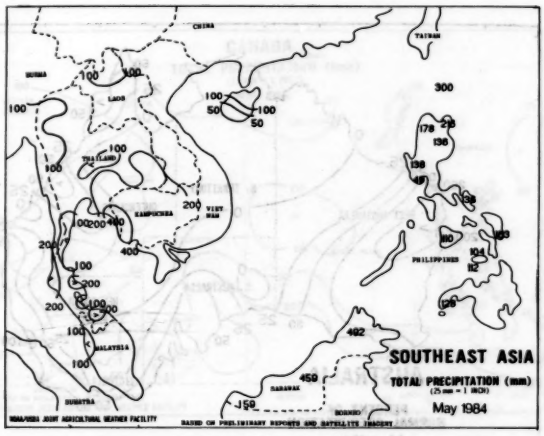
EASTERN ASIA...Locally heavy rain fell along the Yangtze Valley this week providing abundant moisture for the vegetative growth of corn, cotton, and soybeans, but delaying the harvest of winter wheat. Below-average rain fell in this area during May. Above-average rain over much of the North China Plain improved conditions for grain filling of wheat during May. Showers covered much of the region again this week as the crop began maturing in southern areas. In southern Manchuria, showers during the past few weeks have improved moisture conditions for corn and soybeans in the vegetative growth stage. In southern China, near-normal May rainfall provided adequate moisture for early rice in the heading stage and the early growth of intermediate rice. Highly variable rainfall occurred this week. Widespread showers recently improved conditions for corn and soybeans over the Korean Peninsula.

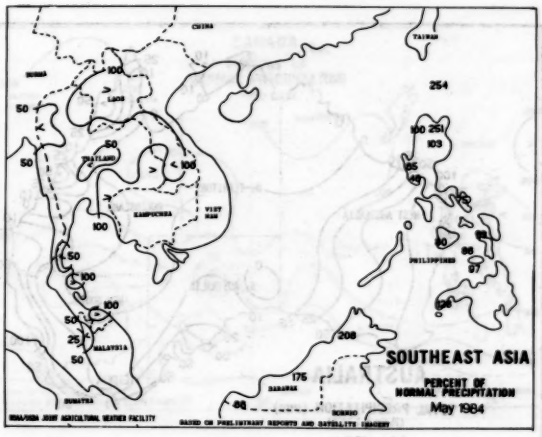


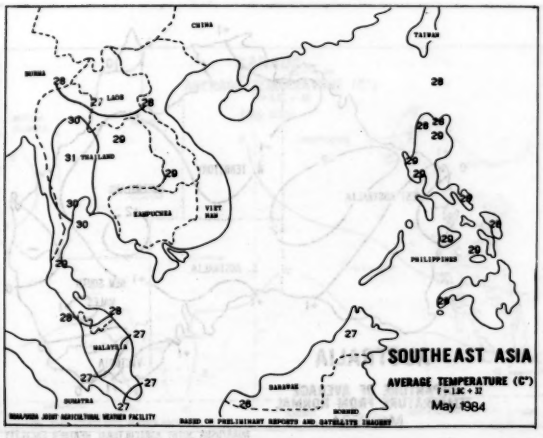


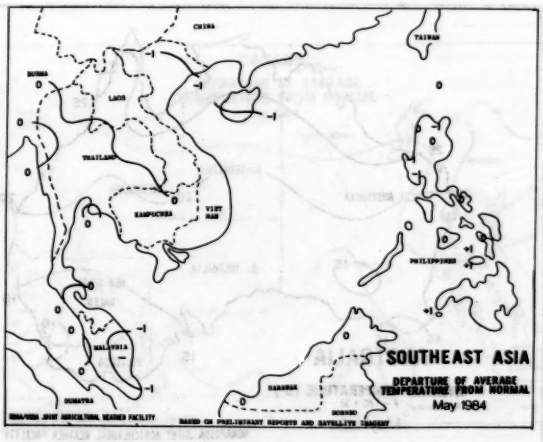
SOUTHEAST ASIA...Substantial rains (greater than 25 mm) fell over much of Thailand aiding early growth of corn and rice. A narrow band stretching from central Thailand westward received less than 10 mm of weekly rainfall. This area, where rice and corn are grown, had less than 50-percent of normal May rainfall. Rain will be needed in this area to meet the high-moisture requirements of crops as they advance into reproduction. There was a tendency toward below-average May rainfall over the western half of Thailand and peninsular Burma, while the remainder of Indochina received seasonal rainfall. Recent showers covered nearly all of the Philippines aiding rice growth.



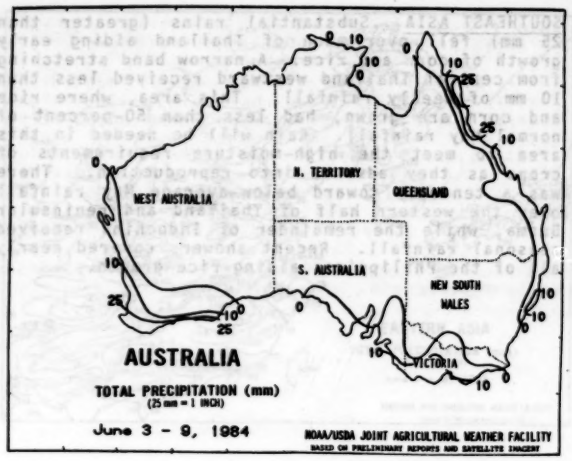


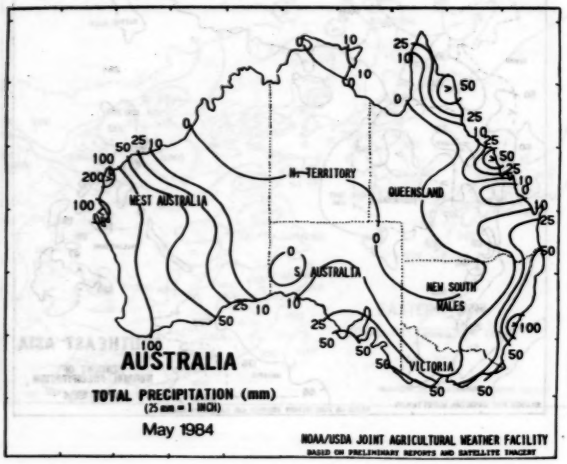


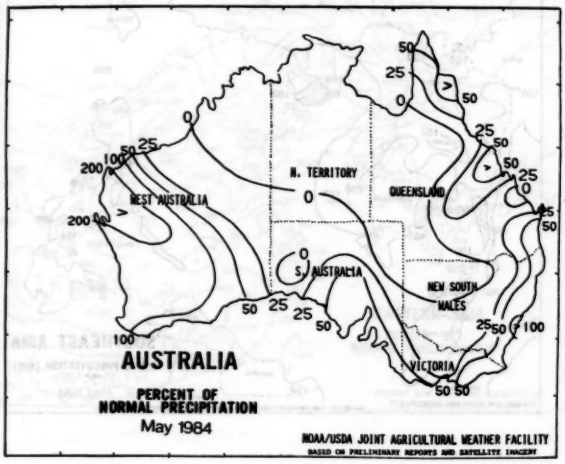


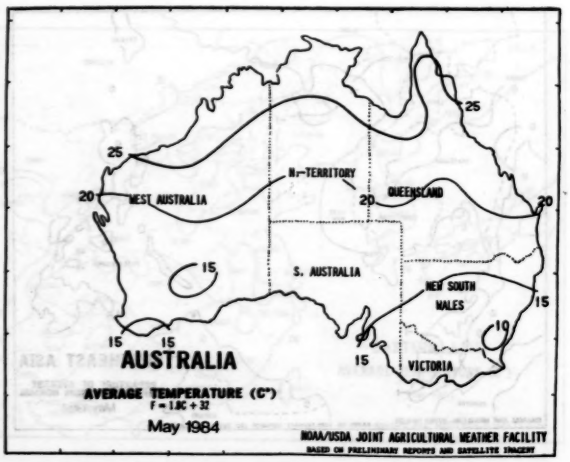


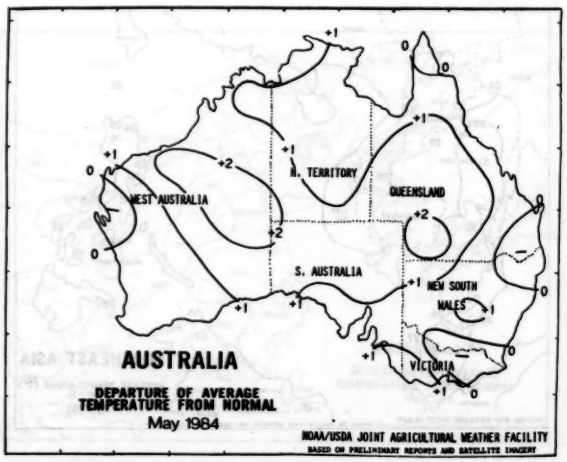
AUSTRALIA...The dry weather pattern continued over major wheat areas of Queensland, New South Wales, Victoria, and South Australia during the week. Much-below average May rainfall reduced topsoil moisture and will hamper germination and emergence of winter wheat throughout the area. Substantial rain is needed soon for crop establishment. During the past several weeks, storm systems have brought abundant moisture to wheat areas of Western Australia, but have only brushed southern coastal areas of South Australia and Victoria. No substantial rain has fallen over the past month in New South Wales, the leading wheat producing state. Above-average May rainfall in western crop areas has provided sufficient moisture for planting and emergence of the wheat crop.



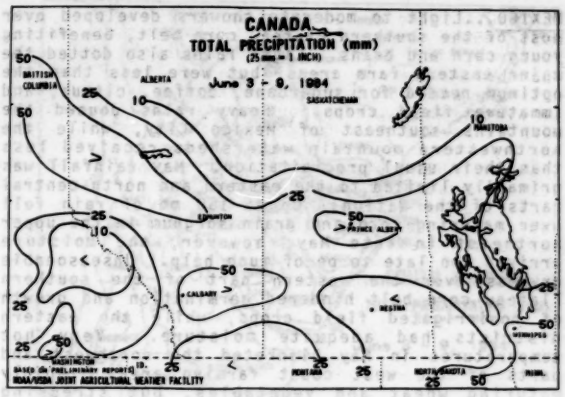


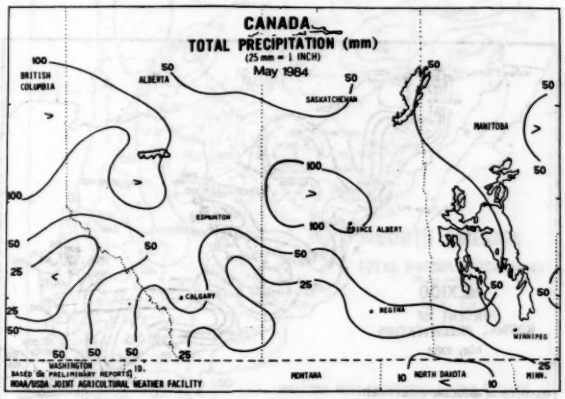


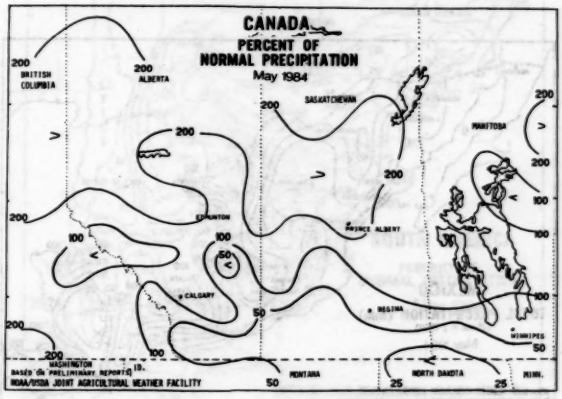


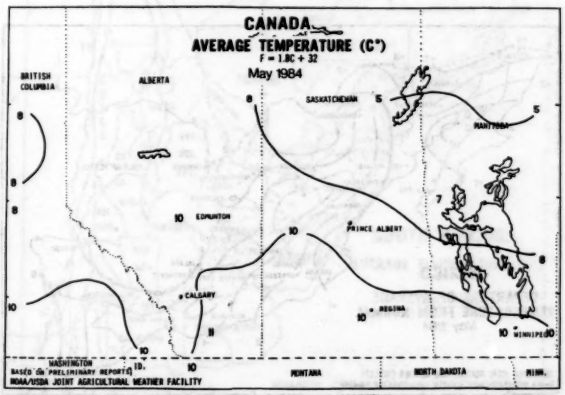


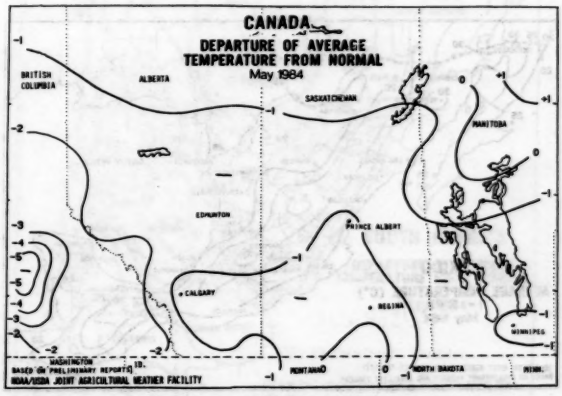
CANADA...Recent rain provided beneficial moisture for emerging crops in the previously dry southern portion of the Prairie grain belt. In contrast, the rain aggravated planting delays caused by persistent wetness in northern crop areas. May rainfall was much-below average from southwestern Manitoba across southern Saskatchewan to southeastern Alberta, drying topsoils as spring crops were planted. Much-above average May rainfall across the northern fringe of the Prairie grain belt kept fields too wet to complete spring planting. While timely rain is needed to sustain crop development in the south, dry weather is needed for crop establishment across the north. Temperatures generally averaged below normal for May, slowing emergence of newly sown spring crops.



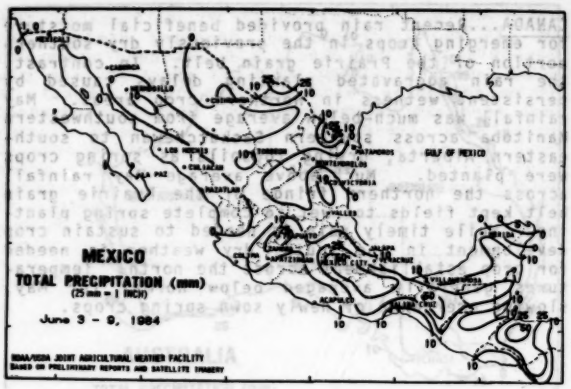


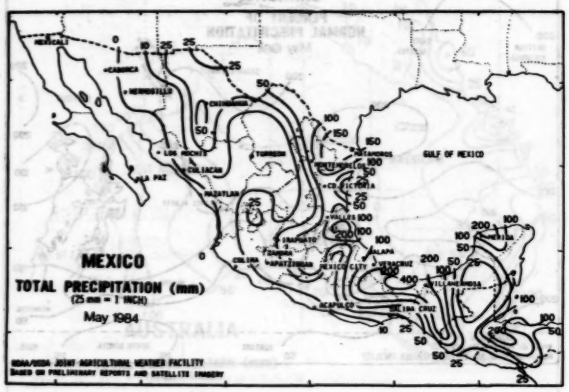


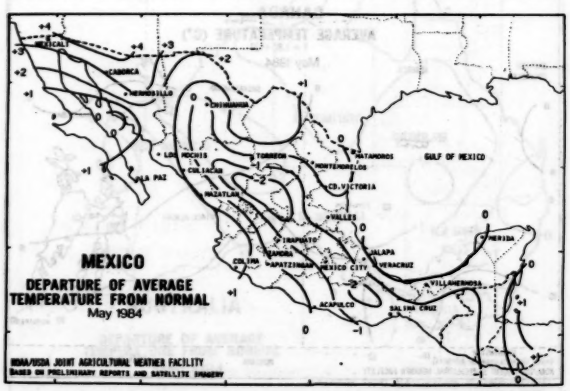




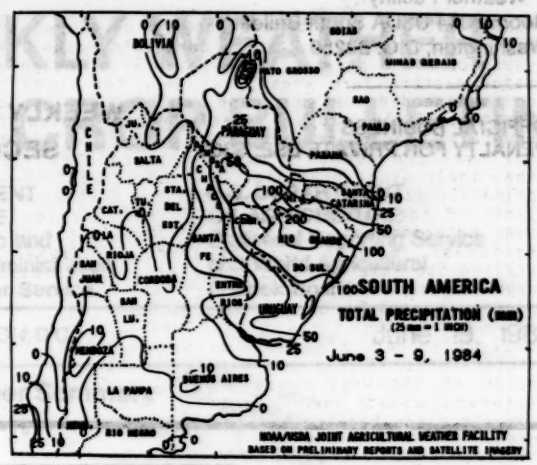
MEXICO...Light to moderate showers developed over most of the southern Plateau corn belt, benefiting young corn and beans. Light rains also dotted the major eastern farm areas, but were less than the optimum needed for sugarcane, coffee, citrus, and immature field crops. Heavy rains doused the mountains southeast of Mexico City, while the northwestern mountain watersheds received less than their usual precipitation. May rainfall was primarily limited to the eastern and north-central parts of the Nation. Up to 150 mm of rain fell over maturing corn and grain sorghum in the upper northeast in late May; however, the moisture arrived too late to be of much help. Unseasonable dryness over the western part of the southern Plateau corn belt hindered germination and growth of nonirrigated field crops, while the eastern districts had adequate moisture. Very hot temperatures in May blanketed the northwest and parts of the west coast farming areas, rapidly maturing wheat and vegetables, but stressing livestock and keeping irrigation requirements very high.

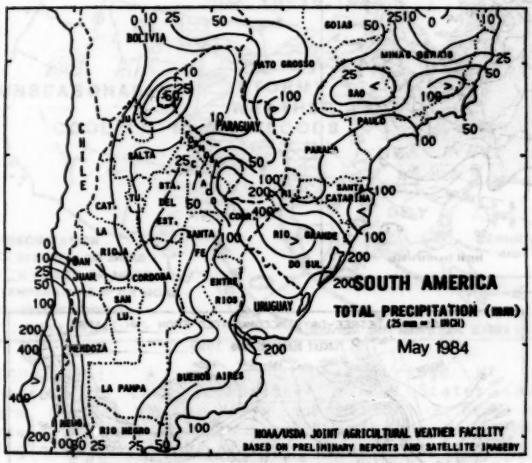

MEXICO
TOTAL PRECIPITATION (mm)
(25 mm = 1 INCH)
June 3 - 9, 1984
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY

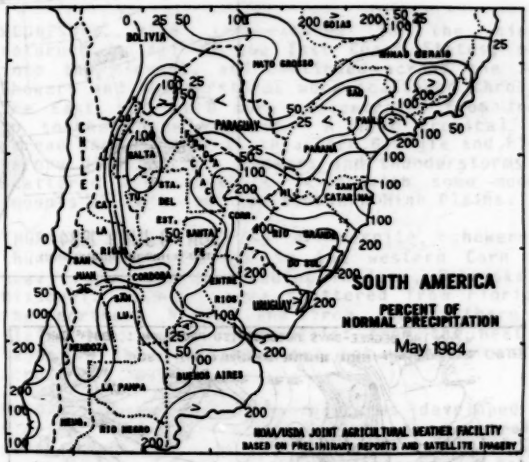


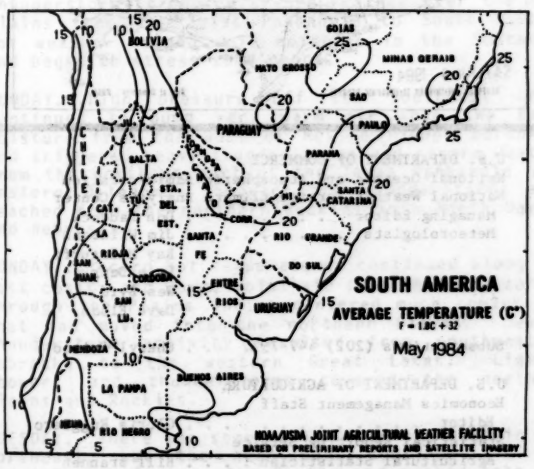


SOUTH AMERICA...A band of heavy rain (50 to 220 mm) inundated Rio Grande do Sul, Brazil, and brushed the extreme northeastern corner of Argentina and southeastern Paraguay during the week. Excessive rain fell over southern Brazil in May, and likely washed out some newly seeded wheat and delayed replanting. Below-average May rainfall in central Brazil aided the coffee harvest from Parana northward. In Argentina, cotton harvesting was hampered by persistent wetness in May. The soybean harvest made good progress in the primary growing areas of Santa Fe and Buenos Aires with seasonal to below-average May rains. The harvest is about 75-percent complete. Rain benefited wheat planted in May in Southern Buenos Aires.


SOUTH AMERICA
TOTAL PRECIPITATION (mm)
(25 mm = 1 INCH)
June 3 - 9, 1984
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY


SOUTH AMERICA
TOTAL PRECIPITATION (mm)
(25 mm = 1 INCH)
May 1984
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY


SOUTH AMERICA
PERCENT OF NORMAL PRECIPITATION
May 1984
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY


SOUTH AMERICA
AVERAGE TEMPERATURE (C°)
F = 1.8C + 32
May 1984
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY

SOUTH AMERICA
DEPARTURE OF AVERAGE TEMPERATURE FROM NORMAL
May 1984
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY

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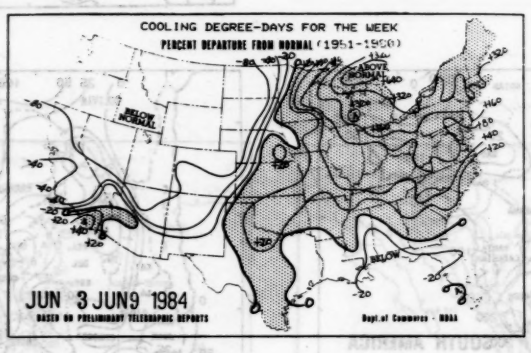
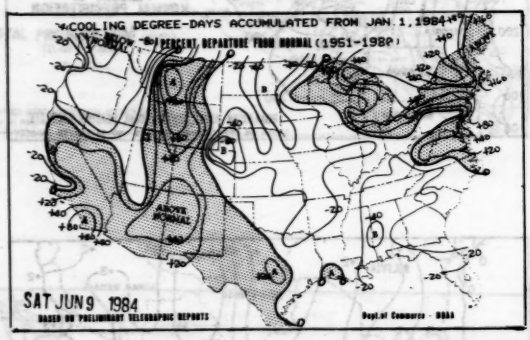
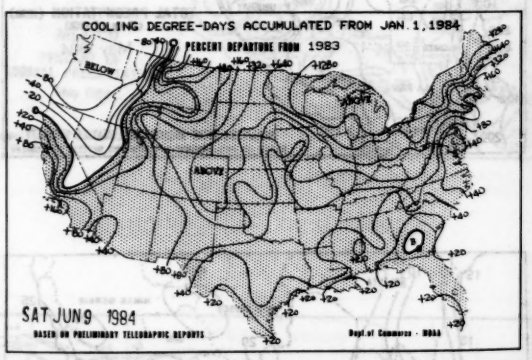



COOLING DEGREE-DAYS ACCUMULATED FROM JAN.1,1984
PERCENT DEPARTURE FROM NORMAL (1951-1980)
ABOVE NORMAL
SAT JUN9 1984
BASED ON PRELIMINARY TELEGRAPHIC REPORTS
Dept.of Commerce - NOAA



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